

SIXTH YEAR ANNUAL REPORT

INTERSTATE POLLUTION CONTROL/ROTO-ROOTER SUPERFUND SITE
Winnebago County
Rockford, Illinois

Prepared for:

Interstate Pollution Control/Roto-Rooter Superfund Site Remedial Design/Remedial Action Steering Committee

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1.0 INTRODUCTION

This Sixth Year Annual Report (“report”) was prepared by Environmental Information Logistics, LLC (EIL) on behalf of the Interstate Pollution Control/Roto-Rooter (“IPC”) Superfund Site Remedial Design/Remedial Action Steering Committee. This report discusses the results of long-term natural attenuation monitoring through the second quarter (June) 2013 sampling event, and satisfies the requirements of the IEPA-approved Groundwater Monitoring Work Plan (“GWMP”), dated March 1, 2006, the IEPA-approved First Year Annual Report/Technical Memorandum (“Tech Memo”), dated August 28, 2008, and the Consent Decree (with Appendix B – Statement of Work (SOW)) with the State of Illinois, dated March 1, 2006.

Section 6.0 of the IEPA-approved GWMP states the following:

“Annual reports will be prepared and submitted to the IEPA within 45 days of completing each second semi-annual groundwater sampling event (except in years 1, 5, 10, 15, etc., as discussed above and below). Each of the annual reports will include a summary of groundwater data collected during the past year and will include an evaluation, based on the IEPA-approved statistical methodology, of the source of any statistically significant changes to groundwater quality. Where appropriate, the annual report may also recommend changes to the statistical methodology for future monitoring events.”

Section 6.0 of the IEPA-approved GWMP also states the following:

“Five-year review reports will be submitted to the IEPA within 45 days of completing the second semi-annual sampling event at the end of each five-year cycle. Each five-year review report will include a cumulative summary of the results of statistical analysis of that data, and an evaluation of the source of any statistically significant changes to groundwater quality.”

This is the sixth annual report prepared since natural attenuation groundwater monitoring began at the site. This report includes an alternative source demonstration (ASD) to address the presence during this reporting period of two COCs in downgradient monitoring well MW4, and the presence in previous reporting periods of one COC in downgradient monitoring well MW1.

1.1 Site Description and Background

1.1.1 Site Description

The Interstate Pollution Control Inc. (IPC) site (“the site”) is located in an industrial area in the south central part of Rockford, Winnebago County, Illinois north west of Magnolia Peoples Avenue, as shown on the figure included in Attachment 1. The small (approximately 2.8 acre), irregularly-shaped site measures approximately 850 feet long along the north boundary line and 270 feet along the east boundary line.

During IPC's operation of the site it contained, at various times, at least six underground storage tanks, one large above-ground storage tank, an unlined surface impoundment, a gas fired incinerator, and several structures. IPC's operation at the site included transporting and bulking of waste oils, solvents and cyanide waste for incineration, resale and/or off-site disposal. Also during IPC's operation of the site, support service was provided to two sister companies; a portable toilet business and a Roto-Rooter franchise. Prior to IPC's operations, the site was extensively quarried and backfilled with various materials including a large quantity of foundry sand. Following filling of the quarry and immediately prior to IPC's operations, the site was the location of an auto salvage yard.

In 1991, private parties negotiated a Partial Consent Decree with the Illinois EPA and the Attorney General of the State of Illinois. The Partial Consent Decree required that the private parties ("Respondents") undertake a Remedial Investigation/Feasibility Study ("RI/FS") at the site. The RI Work Plan was completed in 1992, and the field investigations were conducted in 1993-1994. The final RI Report was submitted in 1997.

Significant removal actions have occurred at the IPC site on two different occasions. The incinerator was removed between 1976 and 1979. IPC conducted partial cleanup of the site in 1979 and 1980, in response to an Illinois Pollution Control Board Order. During this partial cleanup of the site, several bulk tankers containing wastes, approximately 180 yds³ of material from the surface impoundment, and approximately 120 yd³ of cyanide-contaminated soils were removed. Reportedly, 1,200 drums of contaminated materials were also removed from the site during this cleanup. The surface impoundment was backfilled and graded.

On August 6, 1991, the U.S. EPA issued a Unilateral Administrative Order ("UAO") to IPC and the Respondents to conduct additional removal activities at the site. Beginning in 1992, the Respondents to the UAO fenced the site, removed over 1,400 tons of solid and hazardous waste (including visibly stained soils), demolished and removed all above-ground and underground tanks and significant structures, installed a clay cover over the former impoundments, and substantially cleared the site.

These removal actions eliminated more than 2.9 million pounds of solid and hazardous waste. These materials constituted principal threats at the site and were removed, treated, destroyed or disposed of prior to the initiation of the RI/FS.

1.1.2 Constituents of Concern (COCs)

A total of 73 chemicals of potential concern ("COPCs") were identified originally in the RI based on previous detections in site soils and were selected for risk assessment. These included 11 volatile organic compounds ("VOCs"), 29 semi-volatile organic compounds ("SVOCs"), 14 pesticide/PCB compounds, 18 trace metals, and cyanide. In addition, a total of 33 chemicals previously detected in on-site groundwater were selected as COPCs. These included 11 VOCs, 10 SVOCs, one pesticide/PCB compound, 11 trace metals, and cyanide. A significantly reduced number of these COPCs were found to be risk drivers, as summarized in the "*Risk Driving Chemicals of Potential Concern*" table from Section V of the ROD.

Based on the previously discussed contaminant removal activities and the installation of the engineered barrier, and as stated in Section 2.4 of the SOW, “*VOCs are the sole constituents of concern*” with respect to long term natural attenuation groundwater monitoring at the site. Section 2.4 of the SOW specifies that “*...groundwater will be sampled for TCL VOC’s only.*” during long term natural attenuation monitoring. In addition, paragraph XII of the Record of Decision (ROD) states “*If during each Five Year Review cycle spastically [sic] significant decreases in on-site and down gradient concentrations of trichloroethene and 1,1,1-trichloroethane in shallow groundwater are not verified (which cannot be attributed to upgradient sources), the SVE design pilot test will be implemented.*”

Seven VOCs were detected in site monitoring wells during the background data collection period and as reported in the August 28, 2008 First Year Annual Report/Technical Memorandum. These are:

- 1,1,1-trichloroethane
- 1,1-dichloroethane
- 1,1-dichloroethene
- cis-1,2-dichloroethene
- tetrachloroethene
- trichloroethane
- vinyl chloride

However, only four VOCs were proposed originally as site-specific COCs for long-term groundwater quality evaluation. Three VOCs, 1,1-dichloroethane, vinyl chloride, and cis-1,2-dichloroethene, were specifically not proposed as COCs because they were generally detected at elevated concentrations in downgradient monitoring wells and because there was, and continues to be, strong evidence to suggest that the downgradient concentrations were, and continue to be, biased due to an off-site source (i.e., landfill gas from the adjacent Peoples Avenue Landfill). However, IEPA’s approval of the August 28, 2008 First Year Annual Report/Technical Memorandum was conditional based on the inclusion of all seven VOCs as COCs. Therefore, all seven of the VOCs detected during background data collection and as listed above are evaluated herein as COCs.

1.1.3 Extent of Groundwater Impacts

Remedial investigation activities were conducted at the site to evaluate the nature and extent of contamination, and to assess environmental impacts. Detailed results are provided in the *Final Remedial Investigation Report, Interstate Pollution Control Inc. Site, Rockford, Illinois* (Golder Associates Inc., December 1997). In general, site groundwater was found to be impacted with numerous organic and inorganic constituents from a combination of past site activities and from a number of upgradient sources. Some of the upgradient sources are being addressed under various regulatory actions and it appears that some are not. In addition, landfill gas from the adjacent Peoples Avenue Landfill was detected on-site and identified as another possible source of VOCs in groundwater.

The site is located adjacent to the much larger Southeast Rockford Groundwater Contamination (“SER”) site. The SER site began with the discovery of VOCs in groundwater within a

residential area of nearly two square miles. The discovery prompted the USEPA to ultimately extend water mains and connect 526 residences to City water at a cost of approximately \$4 million. The SER site was then added to the National Priorities List (“NPL”). After further IEPA study, the SER site was expanded to a ten square mile study area (“SER Study Area”) that incorporates almost 20 percent of the City and includes the IPC site. Studies have since indicated the widespread presence of chlorinated solvents in groundwater within this ten square mile area, in concentrations varying from less than 10 ppb to over 10,000 ppb.

The SER ROD defines the boundary of the SER Site by the 10 ppb chlorinated VOC plume that extended to approximately 1,200 feet southeast of the IPC site at its closest point (as of 1993). It is reasonable to expect that parts of this plume have expanded to the extent that it now affects groundwater beneath the IPC site.

As discussed in the 1999 site ROD, there are/were also a number of other known groundwater contaminant sources located near the IPC site. For example, the former Mattison Machine Works is located approximately 1,000 feet to the northeast (i.e., upgradient). Previous studies at Mattison Machine Works dating back to 1993 indicate that a plume containing PCE (up to 10,600 ug/L), TCE (up to 1,500 ug/L), and 1,1,1-TCA (up to 800 ug/L) is/was passing under that facility. These concentrations are much higher than are in groundwater at IPC. In addition, the Peoples Avenue Landfill, located immediately southeast of IPC, was previously identified as the likely source of groundwater contamination that contributed to the deterioration of groundwater quality in one of the City of Rockford’s public supply wells (Municipal Well No. 14), ultimately resulting in the abandonment of the supply well in 1971, prior to operations at IPC. The Peoples Avenue Landfill is also a known source of landfill gas (including methane) migration that previously entered the basement of the former Quaker Oats pet food manufacturing plant, located just southwest of the IPC site. And, as reported previously, there is evidence to suggest that landfill gas has impacted site monitoring well MW-4.

While remedial actions associated with some of the known sources within the SER Study Area are presently on-going, the IEPA and U.S. EPA have not specifically addressed some of the known groundwater contamination sources near to and upgradient of the IPC site. As indicated in the RI report and in the ROD, some of these sources contain elevated concentrations of VOCs, some of which are/were higher than those measured on-site.

As noted in the ROD,

“One of the most notable outcomes of the groundwater portion of the [RI] investigation was verification that a plume of chlorinated volatile organic compounds, at substantially higher concentrations than occur on site is approaching the site from the north east. The plume is expected to reach the IPC site in 15 to 45 years.”

This is significant because, given that the RI data collection activities were completed by 1994, the “plume” would have possibly reached the site as early as 2009, resulting in degradation of site groundwater quality that is completely unrelated to the performance of the selected remedy and which could be attributed mistakenly to the site. As such, the interpretation of the results of long term natural attenuation monitoring must take into account the potential for groundwater

quality degradation due to off-site sources. This approach reduces the possibility of incorrectly concluding that the selected remedy is insufficient and that the remedy must be supplemented with soil vapor extraction.

In fact, and as discussed in the First Year Annual Report/Technical Memorandum, subsequent annual reports, and the Five Year Review Report, an upgradient plume appears to have arrived at the site. This was acknowledged in an October 22, 2012 IEPA letter which stated:

"Based on the data in the report [Five Year Review Report], it appears that an upgradient plume may have arrived at the site and the down gradient concentrations of the contaminants mentioned above [trichloroethene and 1,1,1-trichloroethane] are decreasing."

While the source of the plume is unknown, it is likely that it is the same one previously reported under the Mattison Machine Works property, and it is possible that the SER Site plume has also expanded to the extent that it now affects groundwater quality at the IPC site. Regardless of the source, it is reasonable to expect that the plume will continue to migrate through the site until such time that the upgradient sources are either removed or isolated, eventually affecting the three downgradient site monitoring wells, and ultimately the two river wells. As such, there will likely be further groundwater quality degradation in the site monitoring wells and possible new groundwater quality degradation in the river wells that is completely unrelated to the site and to the performance of the selected remedy.

Therefore, the statistical analysis plan was developed such that it allowed for recalculation of background standards (as appropriate) and/or adjustment of the evaluation protocol in order to reduce the likelihood of false positive statistical failure related to the off-site sources. Since it appears that the upgradient plume has arrived, and in accordance with the IEPA-approved GWMP and the IEPA-approved First Year Annual Report/Technical Memorandum, revised calculated background standards and statistical evaluation criteria were included in the Second Year Annual Report for selected COCs. This report, therefore, includes statistical evaluations that are consistent with those originally provided in the IEPA-approved GWMP and First Year Annual Report/Technical Memorandum and as modified by the Second Year Annual Report.

1.1.4 Remediation

The IEPA selected the remedial alternative with the concurrence of the U.S. EPA and after a detailed analysis of the alternatives included in the approved Feasibility Study (FS). The selected remedial alternative addresses the principal threats by installation of an impermeable barrier over the site, placing institutional controls on future site uses, reinforcing existing city and state groundwater use restrictions, and addressing groundwater contamination resulting from the site by implementing a monitored natural attenuation program. The selected remedy also includes a soil vapor extraction component as a contingency should the IEPA conclude during the five-year review periods that site and downgradient groundwater quality has not improved due to continued site releases which cannot be attributed to upgradient sources. However, the selected remedy does not take into consideration the potential affect of the numerous, known off-site impacts which now appear to be impacting site groundwater quality.

An SVE system was not included as an active part of the current remedy for a number of reasons, as discussed in the FS. First, the incremental improvement in reducing VOC migration to groundwater, and therefore in reducing risk to health and the environment, was deemed minimal following the construction of the surface barrier. Second, the treatment efficiency for an SVE system was not quantifiable given the relatively high VOC load currently on site and the on-going impacts from off-site sources. Finally, there were concerns that an SVE system would induce landfill gas migration from the Peoples Avenue Landfill that would adversely impact the operation of such a system. There were also concerns, discussed with the IEPA during the FS evaluation process, that such landfill gas migration would create a site health and safety issue related to possible explosive hazards.

Nothing has changed at the site that would alter the first criterion, above. The engineered barrier was installed and is being maintained, effectively eliminating both surface water infiltration and potential exposure to any remaining site contaminants. However, the predicted arrival of the uncontrolled upgradient plume(s) is (are) degrading, and will likely continue to degrade, for an unknown period of time, groundwater quality beneath the engineered barrier. Groundwater quality degradation from the upgradient plume(s) can be expected to continue until the upgradient source(s) are either removed or are isolated, and there is presently no indication that there are either ongoing or planned efforts to address the uncontrolled sources. This has resulted in a situation in which the IPC Steering Committee's ability to incrementally evaluate IPC's contribution to groundwater degradation is now extremely difficult, if not impossible.

Regarding the second criterion, if there was formerly an inability to quantify the efficacy of an SVE system given the then-current contaminant loads, then the arrival of the off-site plume(s), which could effectively increase on-site contaminant load, would further reduce the ability to quantify the efficacy of an SVE system. For example, if an SVE system were installed and operated concurrent with the arrival of the upgradient plume, then it would be likely that the degrading effect of the plume would far outweigh the remedial effect of the SVE system.

Regarding the third criterion, the potential for an SVE system to induce off-site landfill gas migration appears to be quite real given the recent documentation showing that groundwater in MW4, located adjacent to the People's Avenue Landfill, already contains dissolved methane which is likely the result of landfill gas migration on to the site. It is reasonable to expect that if landfill gas can migrate to the site under current, passive conditions (i.e., with no SVE system), then there is a greatly increased likelihood of additional landfill gas migration under active conditions (i.e., with an active SVE system) with a corresponding potential increase in groundwater quality degradation and health and safety related issues associated with landfill gas explosive hazards.

Finally, it must be emphasized that the SVE system would be designed to reduce contaminant load in site soils and thus reduce the potential for contaminant migration from site soil to site groundwater, premised on the assumption that current groundwater impacts are generally a function of the current soil contaminant load. Given that the upgradient groundwater plume(s), which appears to have already reached the site, contains higher concentrations of some COCs than are currently in site groundwater, it is fair to expect that the upgradient source will be significantly larger and/or more heavily contaminated than what presently remains in site soil.

Under these conditions the incremental improvement to site groundwater quality via the implementation of an SVE system will be immeasurable or nonexistent.

On the basis of these arguments, the IPC Steering Committee recommended previously (*River Well Statistics Technical Memorandum, June 1, 2010*), and continues to recommend, that the SVE system be excluded from further consideration as a contingent remedy.

The engineered barrier was completed in 2006. The groundwater monitoring natural attenuation program began in September 2007 and background data collection at the six site monitoring wells was completed in June 2008. The slight delay between the completion of the engineered barrier and the initiation of natural attenuation monitoring was based on the desire to complete the installation of the two river wells and to collect background data from them simultaneously with the six site monitoring wells. Unfortunately, the installation of the two river wells was delayed more than expected due to access issues beyond the control of the steering committee. Therefore, after a period of time the IEPA requested that background data collection begin at the six site wells even though the two river wells had not been installed.

The two river wells were installed in March 2009 and background data collection was completed following the fourth quarter 2009 sampling event. The results of the river well background data collection and the calculated COC standards were provided to the IEPA on June 1, 2010. This report includes data collected through June 2013 (i.e., the tenth semiannual event at the site wells and the seventh semiannual event at the river wells).

1.2 Statistical Analysis Plan

The statistical evaluation plan (STEP) was included in the IEPA-approved First Year Annual Report/Technical Memorandum and was specifically designed to allow for subsequent modification to account for the anticipated influences from off-site contaminant sources and to reduce the possibility that those influences could result in statistical failures. Due the apparent arrival of the off-site plume and the continued landfill-gas influences in MW4, the STEP was modified in the Second Year Annual Report as follows:

- Intrawell background standards were recalculated for 1,1-DCA in MW3 and for PCE and TCE in MW6 to account for the arrival of the off-site (upgradient) contaminant plume.
- Interwell background standards were recalculated for 1,1-DCA, PCE, and TCE in the three upgradient wells to account for the arrival of the off-site (upgradient) contaminant plume.
- A statistical failure at MW4 would hereafter be based on a combined failure of an interwell *and* an intrawell background standard to reduce the possibility of a statistical failure due to landfill gas influences from the Peoples Avenue Landfill.

The evaluations included in this Sixth Year Annual Report are based on the modified STEP.

1.3 Sixth Year Annual Report Overview

The purpose of this report is to provide the results of long-term natural attenuation monitoring to date at the site, a comparison of the data to previously calculated background groundwater quality standards, and an evaluation of whether the site is currently impacting groundwater. This report is organized as follows:

- Section 2.0 provides on evaluation of groundwater quality based on a comparison of COC detections with calculated COC background standards.
- Section 3.0 includes an alternative source demonstration (ASD) for various COCs detected currently or previously in monitoring wells MW1 and MW4 and, in general, any other statistically significant changes to groundwater quality, if any.
- Section 4.0 includes a summary and conclusions.

2.0 EVALUATION OF SITE GROUNDWATER QUALITY

Background groundwater quality data collection was performed at the six site monitoring wells in accordance with the ROD, SOW, and IEPA-approved GWMP. A site-specific list of seven COCs was selected and background standards were calculated based on the first four quarters of background data collection. The COC list and calculated background standards were approved by IEPA. As discussed in detail in the Second Year Annual Report and summarized herein, selected background standards were recalculated in the upgradient wells to incorporate upgradient plume-affected data, and minor modifications were made to the statistical evaluation protocol, to reduce the possibility of future statistical failures based on influences from the upgradient plume.

Background data collection was completed in the two river wells following the fourth quarter 2009 sampling event. Specific COC background standards were calculated for both river wells and were submitted to IEPA on June 1, 2010 (*River Well Statistics Technical Memorandum*) and are the basis for the statistical comparisons included herein.

2.1 Site Groundwater Monitoring Network

The site groundwater monitoring network consists of six monitoring wells, designated MW1, MW2, MW3, MW4, MW5, and MW6. The locations of these wells are shown on the figure included in Attachment 2. Each well is screened at a depth of approximately 60 feet within the shallow sand and gravel aquifer. Both regional and local groundwater flow in this aquifer is generally from northeast to southwest, towards the Rock River. Based on this groundwater flow direction, monitoring wells MW3, MW5, and MW6 are hydraulically upgradient of the site. The remaining three monitoring wells, MW1, MW2, and MW4 are hydraulically downgradient of the site.

2.2 River Wells

Two river wells were installed in March 2009, as required, at the locations shown on the figure included in Attachment 2. The river wells are designated MW8 and MW9, and both were installed to a depth of approximately 19 feet. (Note: The designation MW7 is reserved for the “blind” duplicate sample submitted to the laboratory during each monitoring event). Based on current groundwater flow conditions, both river wells are hydraulically downgradient of the site.

2.3 Results of Ongoing Natural Attenuation Groundwater Monitoring

Semiannual groundwater sampling for each of the seven COCs was performed in each of the site monitoring wells during this reporting period. Quarterly monitoring was performed at the two river wells through the background data collection period (ending in the fourth quarter 2009) and then continued on a semiannual basis. The laboratory data reports are included as Attachment 3. A summary of the analytical results for each COC in each monitoring well during this monitoring period is included in the table in Attachment 4. The table in Attachment 4 also includes the calculated background standards and the results of confirmation resampling

conducted in January 2013. Concentration time trends for each COC in each well are included as Attachment 5.

Each laboratory data report was reviewed for completeness and accuracy, in accordance with the IEPA-approved quality assurance project plan (QAPP). The reviews included laboratory QA/QC documentation and the results of field and quality control blanks. Data validation summaries for each laboratory sampling report are included in Attachment 6.

A discussion of site groundwater quality is included below.

2.3.1 Upgradient Site Groundwater Quality

Overall upgradient groundwater quality has improved with respect to total VOC load since natural attenuation monitoring began in 2007. There was virtually no change in total VOC load compared to last year. However, the concentration of tetrachloroethene (PCE) has generally increased in upgradient well MW6. Similar to last year, the concentration of PCE in MW3 slightly exceeded its calculated introwell standard, but only during the December 2012 sampling event. This is consistent with the apparent arrival of the off-site, upgradient VOC plume, as reported previously. As stated in the ROD,

“One of the most notable outcomes of the groundwater portion of the [RI] investigation was verification that a plume of chlorinated volatile organic compounds, at substantially higher concentrations than occur on site is approaching the site from the north east. The plume is expected to reach the IPC site in 15 to 45 years.”

Given that the RI data collection activities were completed by 1994, arrival of the plume by 2009 is entirely consistent with the predictions included in the RI Report. This appears to be further supported by the total (i.e., cumulative) VOC load trends included as Attachment 7. As shown in the total VOC load time trends, the total (i.e., cumulative) VOC load has always been higher in the three upgradient wells compared to the three downgradient wells since natural attenuation monitoring began in 2007. Clearly, therefore, upgradient groundwater quality is worse than is downgradient groundwater quality based on total VOC load.

The IEPA requested in their August 26, 2009 Second Year Annual Report comment letter that a graph showing the sum of trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA) in the upgradient site wells compared with the sum in the downgradient site wells be included in the annual reports. Such a time trend is included in Attachment 8. As shown on the graph, the total concentrations of these two compounds have been consistently higher in the upgradient wells. The sum of TCE and 1,1,1-TCA in the upgradient wells peaked in December 2009. Since that time, the concentrations of both compounds decreased fairly steadily, until increasing again during the most recent monitoring event. The most recent concentrations are just slightly lower than they were when natural attenuation began in 2007, suggesting that the upgradient plume continues to be persistent.

During the same time period, the sum of TCE and 1,1,1-TCA in the downgradient wells have generally mirrored the pattern observed in the upgradient wells. It is relevant to note that the sum of TCE and 1,1,1-TCA in the downgradient wells is presently about 15% less than it was at

the start of natural attenuation monitoring, and this in spite of the arrival of the upgradient plume. And finally, the difference between the cumulative upgradient sums and the cumulative downgradient sums has increased from approximately 206 ug/L when natural attenuation monitoring began to 238 ug/L. Based on this comparison alone, there is evidence that groundwater quality has improved downgradient of the site compared to upgradient of the site.

Strictly speaking and consistent with the IEPA-approved statistical analysis plan, an intrawell exceedance in an upgradient well is evidence of groundwater degradation due to an off-site source and is, therefore, grounds for recalculating the intrawell background standard. However, given that there was only one upgradient intrawell exceedance during this monitoring period and the relatively stable total VOC load, we do not think that any further upgradient intrawell background standard revisions are appropriate at this time.

Also, the previously reported interwell exceedance of TCE in MW6 during the December 2011 monitoring event provides statistical evidence that the original background data set used to calculate the interwell standards may no longer be representative due to the arrival of the off-site plume. In other words, the current background data set, at least for TCE, may not properly account for temporal variability (i.e., as it is specifically affected by the arrival of the off-site plume). However, given that there was only a single interwell exceedance, and that exceedance has not been persistent, we do not currently propose the recalculation of any of the upgradient interwell background standards. This could change if there are additional interwell exceedances in any of the upgradient monitoring wells during future monitoring events.

2.3.2 Downgradient Site Groundwater Quality

Downgradient groundwater quality in the three site wells continues to improve. Total VOC load in the downgradient wells, depicted in the time trends included as Attachment 7, has decreased fairly steadily and is presently about 663 ug/L compared to 990 ug/L when natural attenuation monitoring began, a decrease of about 33 percent.

During this reporting period there was only one interwell exceedance in MW4, and that was for 1,1-DCA. This compound has exceeded the interwell standard for several years. However, the concentration was below its intrawell background standard and, therefore, it does not represent a statistical failure. The presence of 1,1-DCA, along with vinyl chloride - both at relatively high concentrations compared to the other site monitoring wells - was reported previously in the First Year Annual Report/Technical Memorandum and was attributed to landfill gas from a known off-site/side gradient and uncontained source, the Peoples Avenue Landfill. This was the primary motivation behind our initial request to exclude these two compounds from long-term natural attenuation monitoring, which was denied by IEPA.

The concentration of 1,1-DCA in well MW1, which has previously exceeded its calculated interwell standard, was below that standard during this reporting period.

This report includes an alternative source demonstration (ASD) in Section 3.0 for the current exceedance.

2.3.3 Downgradient River Well Groundwater Quality

Two VOCs, 1,1-DCA and cis-1,2-DCE, were detected in river well MW9 during the December 2012 sampling event. However, neither compound was detected at a concentration exceeding its interwell background standard. No VOCs were detected in MW9 during the June 2013 sampling event.

Six VOCs, 1,1,1-TCA, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, PCE, and TCE were detected in MW8 during the December 2012 sampling event. Of these, the concentration of 1,1-DCA slightly exceeded its interwell background standard. However, the exceedance was not confirmed by the subsequent resample collected in January 2013. Only two VOCs, cis-1,2-DCE and TCE, were detected in MW8 during the June 2013 sampling event, but both at concentrations that were below their respective interwell background standards.

Based on the above results, there is no indication of site-related groundwater impacts in the river wells.

2.3.4 Quality Assurance/Quality Control Issues

There were no quality assurance/quality control issues identified during this reporting period.

3.0 ALTERNATIVE SOURCE DEMONSTRATION FOR COCS DETECTED IN SITE MONITORING WELLS MW1 AND MW4

Groundwater samples collected during the quarterly background monitoring were also analyzed for dissolved methane, specifically during the third quarter 2008 monitoring event, as reported previously in the First Year Annual Report/Technical Memorandum. Dissolved methane, a major component of landfill gas, was detected in five of the six site monitoring wells as summarized in the table below.

Results of Dissolved Methane Analyses

Sample Location	Concentration of Dissolved Methane (ug/L)	Reporting Limit (ug/L)
MW1	2.1	0.19
MW2	2.1	0.19
MW3	4.1	0.19
MW4	42	0.19
MW5	ND	0.19
MW6	1.2	0.19
MW7*	1.3	0.19
Field blank	ND	0.19
Trip blank	ND	0.19

ND = not detected at the reporting limit

* “blind” duplicate sample collected from MW6

3.1 Sources of Naturally Occurring Dissolved Methane

The relatively low dissolved methane concentrations in four of the wells may be indicative of methanogenesis, a naturally occurring form of anaerobic respiration associated with certain common microbes in the presence of organic material. Subsurface soil at the site was reported in the RI report to have contained relatively high concentrations of total organic carbon (TOC). Given that the recently constructed site cap has likely created subsurface anaerobic conditions, the presence of an abundant “food” source (i.e., the high TOC), it is not unreasonable to assume that methanogenesis is occurring. Therefore, the site-wide presence of relatively low concentrations of dissolved methane could indicate that natural attenuation is active.

3.2 Off-Site Sources of Dissolved Methane

The Peoples Avenue Landfill is located adjacent to and south/southeast of the site, and reportedly received a combination of residential, commercial, and industrial wastes. The combustible gas methane was previously detected in the basement of the adjacent pet food plant, and it was attributed to the Peoples Avenue Landfill (USEPA, 1976; RI Report, 1994). Two isolated areas with elevated combustible gas readings (i.e., methane) were also identified between the site and the Peoples Avenue Landfill during RI activities conducted in the early

1990's. Soil gas collected from these areas also contained slightly elevated concentrations of VOCs. The conclusion contained in the RI was:

"The USEPA and RI soil gas results indicate, therefore, that the Peoples Avenue Landfill may be an active source of combustible gases and, possibly, organic vapors in the Site area."

Landfill gas migration is a commonly known transport mechanism for numerous VOCs including tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, vinyl chloride, and others (Vogel et al., 1987). As such, landfill gas migration has been implicated to be a principal source of many VOCs, including those currently detected in site groundwater, in groundwater near landfills.

While dissolved methane was discovered in most of the site monitoring wells, the concentrations were relatively low and, therefore, are likely at least partially the result of on-site methanogenesis.

MW4

The concentration of 1,1-DCA continued to exceed its interwell background standard in MW4 during this reporting period, consistent with most of the historical sampling events. However, the concentration did not exceed its introwell background standard. As such, the concentration does not constitute a statistical failure and, strictly speaking, is not subject to an Alternative Source Demonstration. However, the following information is provided for informational purposes.

Given that MW4 is located adjacent to the Peoples Avenue Landfill and it contains, by far, the highest concentration of dissolved methane compared to the other wells, it is highly likely that landfill gas from the Peoples Avenue Landfill is the source for much or all of the dissolved methane in MW4. This is consistent with the previous reports documented herein. And given that landfill gas is a common carrier of numerous VOCs, including 1,1-DCA and vinyl chloride, it is fair to conclude that elevated concentrations of compounds such as 1,1-DCA and vinyl chloride in MW4 are also the result of the presence of landfill gas.

It is important to note that neither 1,1-DCA nor vinyl chloride are exhibiting increasing trends in MW4, and concentrations are well within the range of those detected since the beginning of natural attenuation monitoring. More importantly, the total VOC load in MW4 has continued to decrease from a high of 389 ug/L in December 2007 to its lowest point of approximately 112 ug/L during the most recent sampling event, a drop of over 71 percent. In summary, therefore, there is no indication that groundwater conditions on MW4 are deteriorating due to the site and, in fact, it appears that overall groundwater conditions in this well have improved.

MW1

There were no statistical failures at MW-1 during this reporting period. While there have been some historical interwell background standard exceedances for 1,1-DCA and vinyl chloride since natural attenuation monitoring began in December 2007, there have been no exceedances of the corresponding introwell background standards. Total VOC load in MW1 has decreased from a

high of approximately 336 ug/L in June 2008 to approximately 267 ug/L during the most recent sampling event, a decrease of over 20 percent.

It is possible that landfill gas has also affected groundwater conditions in this well and have thus biased the concentration of 1,1-DCA and vinyl chloride, as indicated by the presence of dissolved methane in groundwater at this well. Other known (or unknown) upgradient sources may also be contributing sources. While MW1 is technically a downgradient well, it is located such that it could easily be considered sidegradient. Based on the location of MW1, it is easy to see that a plume migrating from the northeast or from the adjacent quarry could, potentially, impact MW1 while not affecting the upgradient wells.

In any case, overall groundwater conditions have clearly improved in MW1 with respect to total VOC load and there is no indication of site-related degradation in groundwater quality at this well.

4.0 SUMMARY AND CONCLUSIONS

The results of long-term natural attenuation monitoring to date indicate that total (i.e., cumulative) VOC load in the downgradient wells has decreased during this reporting period to near historic lows since natural attenuation monitoring began in 2007. Similarly, the cumulative concentrations of TCE and 1,1,1-TCA have also decreased considerably from their highest concentration levels. There does not appear to be any site-related groundwater degradation in either the site monitoring wells or in the river wells. The affects from the arrival of the upgradient plume appear to have generally stabilized for the moment, and the revised statistical standards and evaluation protocol appear to have satisfactorily addressed the impacts associated with the off-site plume and no further statistical evaluation revisions are currently recommended. However, it is reasonable to assume that the off-site plume will eventually migrate through the site and impact the downgradient monitoring wells, possibly resulting in new “false-positive” statistical failures that will need to be addressed either by revising calculated background standards or by changing the statistical evaluation protocol (or both).

While on-site methanogenesis is likely occurring, indicating that natural attenuation is active, the relatively high (i.e., anomalous) concentrations of dissolved methane in downgradient well MW4 appear to be the result of landfill gas migration from the Peoples Avenue Landfill. It is likely that the associated relatively high concentrations of 1,1-DCA and vinyl chloride in MW4 are the result of the presence of landfill gas and are not site-related. It is also likely that the presence of these compounds in other site wells are biased high due to the presence of landfill gas.

We look forward to the IEPA’s approval of this report. If you have any questions, please do not hesitate to call me at 630 834-8847.

Sincerely,
ENVIRONMENTAL INFORMATION LOGISTICS, LLC



A. Michael Hirt, P.G.
Senior Geologist

References

Golder Associates, Inc., 1994, Final Remedial Investigation Report, Interstate Pollution Control Inc. Site, Rockford, Illinois.

USEPA, 1976, *Leachate Damage Assessment: Case Study of the Peoples Avenue Landfill Solid Waste Disposal Site in Rockford, Illinois*, EPA/530/SW-517.

Vogel et al., 1987, *Transformation of Halogenated Aliphatic Compounds*, Environmental Science Technology, vol. 21, pp. 722-736.

Attachment 1

Site Location and Detail Maps

Attachment 2

Figure Showing the Locations of the Long-Term Natural Attenuation Monitoring Wells

Attachment 3
Laboratory Data Reports

Attachment 4

Data Summary Table

Attachment 5

COC Concentration Time Trends

Attachment 6

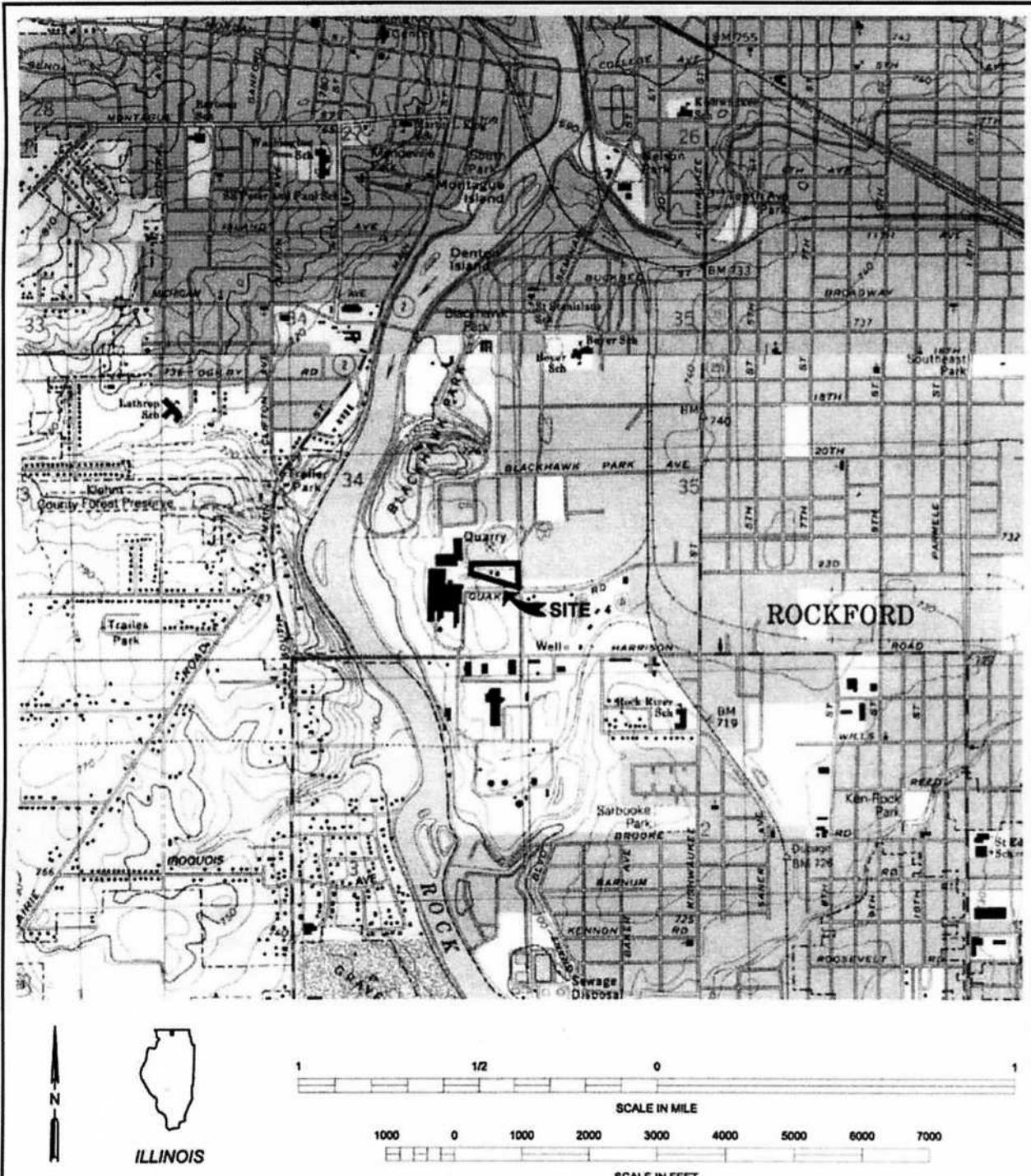
Data Validation Summaries

Attachment 7

Total VOC Load Concentration Time Trends

Attachment 8

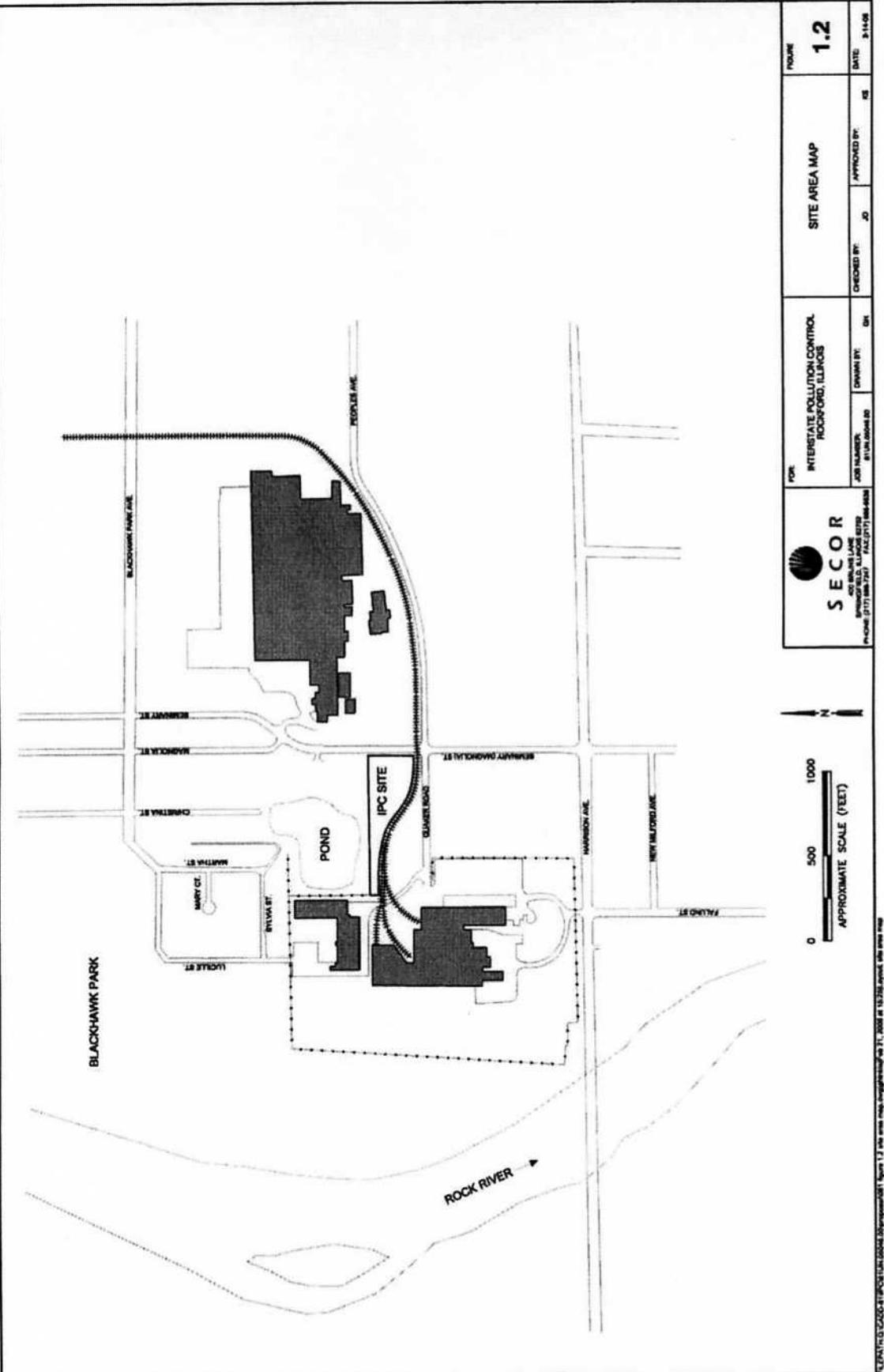
Total VOC Load Trends (1,1,1-TCA plus TCE only)



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; Rockford, IL North & South
Photorevised 1993

 SECOR 400 BRUNS LANE SPRINGFIELD, ILLINOIS 62702 PHONE: (217) 598-7247 FAX: (217) 598-8538	FOR: INTERSTATE POLLUTION CONTROL ROCKFORD, ILLINOIS	SITE LOCATION MAP				FIGURE
		JOB NUMBER: 61UN.05048.00	DRAWN BY: GH	CHECKED BY: JO	APPROVED BY: KS	DATE: 2-14-06

FILEPATH:Q:\CADD\61VPC\61UN.05048.00\proposal\061 figure 1.1 site location map.dwg[ghinkel]Feb 21, 2006 at 15:26\Layout\site loc



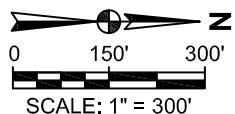


LEGEND

- - - - - IPC APPROXIMATE SITE BOUNDARY
- MONITORING WELL LOCATIONS

NOTES

1. AERIAL PHOTO PROVIDED BY WINNEBAGO COUNTY GEOGRAPHIC INFORMATION SYSTEM (WINGIS).



SCALE: 1" = 300'

PREPARED BY



PREPARED FOR

INTERSTATE
POLLUTION
CONTROL

070309

FIGURE 1
LONG-TERM NATURAL ATTENUATION
MONITORING WELL LOCATIONS
INTERSTATE POLLUTION CONTROL
ROCKFORD, ILLINOIS

JULY 2009

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-53388-1

Client Project/Site: Interstate Pollution Control Site

For:

Environmental Information Logistics (EIL)

405 Ritsher Street

Beloit, Wisconsin 53511

Attn: Ms. Mary Pearson



Authorized for release by:

1/2/2013 11:38:19 AM

Richard Wright

Project Manager II

richard.wright@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Job ID: 500-53388-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-53388-1

Comments

No additional comments.

Receipt

The samples were received on 12/19/2012 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 173864 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batches 173676/173864 was outside control limits.

No other analytical or quality issues were noted.

Detection Summary

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW1

Lab Sample ID: 500-53388-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	17		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	12		5.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	11		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	140		5.0	0.12	ug/L	1		8260B	Total/NA
Trichloroethene	11		5.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW2

Lab Sample ID: 500-53388-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	9.9		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	10		5.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	30		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	10		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	110		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	23		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW3

Lab Sample ID: 500-53388-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	16		5.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	33		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	17		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	190		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	40		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW4

Lab Sample ID: 500-53388-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	33		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	8.1		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	51		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	9.6		5.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW5

Lab Sample ID: 500-53388-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	11		5.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	5.9		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	54		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	14		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	130		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	32		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW6

Lab Sample ID: 500-53388-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	21		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	9.0		5.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	6.7		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	75		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	13		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	39		5.0	0.19	ug/L	1		8260B	Total/NA

TestAmerica Chicago

Detection Summary

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW6 (Continued)

Lab Sample ID: 500-53388-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	12		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW7

Lab Sample ID: 500-53388-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	31		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	7.8		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	49		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	9.8		5.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW8

Lab Sample ID: 500-53388-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	5.9		5.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	17		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	43		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	7.7		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	51		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.7		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWMW9

Lab Sample ID: 500-53388-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.0		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	8.4		5.0	0.12	ug/L	1		8260B	Total/NA

Client Sample ID: IPCGWFB

Lab Sample ID: 500-53388-10

No Detections

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-53388-11

No Detections

Method Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Sample Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-53388-1	IPCGWMW1	Water	12/18/12 13:35	12/19/12 10:30
500-53388-2	IPCGWMW2	Water	12/18/12 12:56	12/19/12 10:30
500-53388-3	IPCGWMW3	Water	12/18/12 12:27	12/19/12 10:30
500-53388-4	IPCGWMW4	Water	12/18/12 11:32	12/19/12 10:30
500-53388-5	IPCGWMW5	Water	12/18/12 10:50	12/19/12 10:30
500-53388-6	IPCGWMW6	Water	12/18/12 10:05	12/19/12 10:30
500-53388-7	IPCGWMW7	Water	12/18/12 09:00	12/19/12 10:30
500-53388-8	IPCGWMW8	Water	12/18/12 08:40	12/19/12 10:30
500-53388-9	IPCGWMW9	Water	12/18/12 08:51	12/19/12 10:30
500-53388-10	IPCGWF8	Water	12/18/12 13:50	12/19/12 10:30
500-53388-11	TRIP BLANK	Water	12/18/12 00:00	12/19/12 10:30

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW1

Lab Sample ID: 500-53388-1

Matrix: Water

Date Collected: 12/18/12 13:35

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 12:23	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 12:23	1
Vinyl chloride	17		2.0	0.10	ug/L			12/21/12 12:23	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 12:23	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 12:23	1
1,1-Dichloroethene	12		5.0	0.31	ug/L			12/21/12 12:23	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 12:23	1
Acetone	<20		20	1.3	ug/L			12/21/12 12:23	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 12:23	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 12:23	1
1,1-Dichloroethane	11		5.0	0.19	ug/L			12/21/12 12:23	1
cis-1,2-Dichloroethene	140		5.0	0.12	ug/L			12/21/12 12:23	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 12:23	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 12:23	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			12/21/12 12:23	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 12:23	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 12:23	1
Trichloroethene	11		5.0	0.19	ug/L			12/21/12 12:23	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 12:23	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 12:23	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 12:23	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 12:23	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 12:23	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 12:23	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 12:23	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			12/21/12 12:23	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 12:23	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 12:23	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 12:23	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 12:23	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 12:23	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 12:23	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 12:23	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	104		75 - 125				12/21/12 12:23	1	
Toluene-d8 (Surr)	97		75 - 120				12/21/12 12:23	1	
4-Bromofluorobenzene (Surr)	96		75 - 120				12/21/12 12:23	1	
Dibromofluoromethane	99		75 - 120				12/21/12 12:23	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW2

Lab Sample ID: 500-53388-2

Matrix: Water

Date Collected: 12/18/12 12:56

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 12:47	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 12:47	1
Vinyl chloride	9.9		2.0	0.10	ug/L			12/21/12 12:47	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 12:47	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 12:47	1
1,1-Dichloroethene	10		5.0	0.31	ug/L			12/21/12 12:47	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 12:47	1
Acetone	<20		20	1.3	ug/L			12/21/12 12:47	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 12:47	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 12:47	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			12/21/12 12:47	1
cis-1,2-Dichloroethene	30		5.0	0.12	ug/L			12/21/12 12:47	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 12:47	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 12:47	1
1,1,1-Trichloroethane	10		5.0	0.20	ug/L			12/21/12 12:47	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 12:47	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 12:47	1
Trichloroethene	110		5.0	0.19	ug/L			12/21/12 12:47	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 12:47	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 12:47	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 12:47	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 12:47	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 12:47	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 12:47	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 12:47	1
Tetrachloroethene	23		5.0	0.17	ug/L			12/21/12 12:47	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 12:47	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 12:47	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 12:47	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 12:47	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 12:47	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 12:47	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 12:47	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	105		75 - 125						1
Toluene-d8 (Surr)	97		75 - 120						1
4-Bromofluorobenzene (Surr)	97		75 - 120						1
Dibromofluoromethane	101		75 - 120						1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW3

Lab Sample ID: 500-53388-3

Matrix: Water

Date Collected: 12/18/12 12:27

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 13:12	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 13:12	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			12/21/12 13:12	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 13:12	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 13:12	1
1,1-Dichloroethene	16		5.0	0.31	ug/L			12/21/12 13:12	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 13:12	1
Acetone	<20		20	1.3	ug/L			12/21/12 13:12	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 13:12	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 13:12	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			12/21/12 13:12	1
cis-1,2-Dichloroethene	33		5.0	0.12	ug/L			12/21/12 13:12	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 13:12	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 13:12	1
1,1,1-Trichloroethane	17		5.0	0.20	ug/L			12/21/12 13:12	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 13:12	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 13:12	1
Trichloroethene	190		5.0	0.19	ug/L			12/21/12 13:12	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 13:12	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 13:12	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 13:12	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 13:12	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 13:12	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 13:12	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 13:12	1
Tetrachloroethene	40		5.0	0.17	ug/L			12/21/12 13:12	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 13:12	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 13:12	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 13:12	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 13:12	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 13:12	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 13:12	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 13:12	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	108		75 - 125				12/21/12 13:12	1	
Toluene-d8 (Surr)	98		75 - 120				12/21/12 13:12	1	
4-Bromofluorobenzene (Surr)	96		75 - 120				12/21/12 13:12	1	
Dibromofluoromethane	102		75 - 120				12/21/12 13:12	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW4

Lab Sample ID: 500-53388-4

Matrix: Water

Date Collected: 12/18/12 11:32

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 14:01	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 14:01	1
Vinyl chloride	33		2.0	0.10	ug/L			12/21/12 14:01	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 14:01	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 14:01	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			12/21/12 14:01	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 14:01	1
Acetone	<20		20	1.3	ug/L			12/21/12 14:01	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 14:01	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 14:01	1
1,1-Dichloroethane	8.1		5.0	0.19	ug/L			12/21/12 14:01	1
cis-1,2-Dichloroethene	51		5.0	0.12	ug/L			12/21/12 14:01	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 14:01	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 14:01	1
1,1,1-Trichloroethane	9.6		5.0	0.20	ug/L			12/21/12 14:01	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 14:01	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 14:01	1
Trichloroethene	<5.0		5.0	0.19	ug/L			12/21/12 14:01	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 14:01	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 14:01	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 14:01	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 14:01	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 14:01	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 14:01	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 14:01	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			12/21/12 14:01	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 14:01	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 14:01	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 14:01	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 14:01	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 14:01	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 14:01	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 14:01	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	110		75 - 125				12/21/12 14:01	1	
Toluene-d8 (Surr)	98		75 - 120				12/21/12 14:01	1	
4-Bromofluorobenzene (Surr)	95		75 - 120				12/21/12 14:01	1	
Dibromofluoromethane	100		75 - 120				12/21/12 14:01	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW5

Lab Sample ID: 500-53388-5

Matrix: Water

Date Collected: 12/18/12 10:50

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 14:25	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 14:25	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			12/21/12 14:25	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 14:25	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 14:25	1
1,1-Dichloroethene	11		5.0	0.31	ug/L			12/21/12 14:25	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 14:25	1
Acetone	<20		20	1.3	ug/L			12/21/12 14:25	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 14:25	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 14:25	1
1,1-Dichloroethane	5.9		5.0	0.19	ug/L			12/21/12 14:25	1
cis-1,2-Dichloroethene	54		5.0	0.12	ug/L			12/21/12 14:25	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 14:25	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 14:25	1
1,1,1-Trichloroethane	14		5.0	0.20	ug/L			12/21/12 14:25	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 14:25	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 14:25	1
Trichloroethene	130		5.0	0.19	ug/L			12/21/12 14:25	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 14:25	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 14:25	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 14:25	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 14:25	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 14:25	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 14:25	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 14:25	1
Tetrachloroethene	32		5.0	0.17	ug/L			12/21/12 14:25	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 14:25	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 14:25	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 14:25	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 14:25	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 14:25	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 14:25	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 14:25	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	106		75 - 125				12/21/12 14:25	1	
Toluene-d8 (Surr)	96		75 - 120				12/21/12 14:25	1	
4-Bromofluorobenzene (Surr)	95		75 - 120				12/21/12 14:25	1	
Dibromofluoromethane	101		75 - 120				12/21/12 14:25	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW6

Lab Sample ID: 500-53388-6

Matrix: Water

Date Collected: 12/18/12 10:05

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 14:49	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 14:49	1
Vinyl chloride	21		2.0	0.10	ug/L			12/21/12 14:49	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 14:49	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 14:49	1
1,1-Dichloroethene	9.0		5.0	0.31	ug/L			12/21/12 14:49	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 14:49	1
Acetone	<20		20	1.3	ug/L			12/21/12 14:49	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 14:49	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 14:49	1
1,1-Dichloroethane	6.7		5.0	0.19	ug/L			12/21/12 14:49	1
cis-1,2-Dichloroethene	75		5.0	0.12	ug/L			12/21/12 14:49	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 14:49	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 14:49	1
1,1,1-Trichloroethane	13		5.0	0.20	ug/L			12/21/12 14:49	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 14:49	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 14:49	1
Trichloroethene	39		5.0	0.19	ug/L			12/21/12 14:49	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 14:49	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 14:49	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 14:49	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 14:49	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 14:49	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 14:49	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 14:49	1
Tetrachloroethene	12		5.0	0.17	ug/L			12/21/12 14:49	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 14:49	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 14:49	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 14:49	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 14:49	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 14:49	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 14:49	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 14:49	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	107		75 - 125				12/21/12 14:49	1	
Toluene-d8 (Surr)	97		75 - 120				12/21/12 14:49	1	
4-Bromofluorobenzene (Surr)	93		75 - 120				12/21/12 14:49	1	
Dibromofluoromethane	99		75 - 120				12/21/12 14:49	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW7

Lab Sample ID: 500-53388-7

Matrix: Water

Date Collected: 12/18/12 09:00

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 15:13	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 15:13	1
Vinyl chloride	31		2.0	0.10	ug/L			12/21/12 15:13	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 15:13	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 15:13	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			12/21/12 15:13	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 15:13	1
Acetone	<20		20	1.3	ug/L			12/21/12 15:13	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 15:13	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 15:13	1
1,1-Dichloroethane	7.8		5.0	0.19	ug/L			12/21/12 15:13	1
cis-1,2-Dichloroethene	49		5.0	0.12	ug/L			12/21/12 15:13	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 15:13	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 15:13	1
1,1,1-Trichloroethane	9.8		5.0	0.20	ug/L			12/21/12 15:13	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 15:13	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 15:13	1
Trichloroethene	<5.0		5.0	0.19	ug/L			12/21/12 15:13	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 15:13	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 15:13	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 15:13	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 15:13	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 15:13	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 15:13	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 15:13	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			12/21/12 15:13	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 15:13	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 15:13	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 15:13	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 15:13	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 15:13	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 15:13	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 15:13	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	106		75 - 125				12/21/12 15:13	1	
Toluene-d8 (Surr)	97		75 - 120				12/21/12 15:13	1	
4-Bromofluorobenzene (Surr)	95		75 - 120				12/21/12 15:13	1	
Dibromofluoromethane	102		75 - 120				12/21/12 15:13	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW8

Lab Sample ID: 500-53388-8

Matrix: Water

Date Collected: 12/18/12 08:40

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 15:38	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 15:38	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			12/21/12 15:38	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 15:38	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 15:38	1
1,1-Dichloroethene	5.9		5.0	0.31	ug/L			12/21/12 15:38	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 15:38	1
Acetone	<20		20	1.3	ug/L			12/21/12 15:38	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 15:38	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 15:38	1
1,1-Dichloroethane	17		5.0	0.19	ug/L			12/21/12 15:38	1
cis-1,2-Dichloroethene	43		5.0	0.12	ug/L			12/21/12 15:38	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 15:38	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 15:38	1
1,1,1-Trichloroethane	7.7		5.0	0.20	ug/L			12/21/12 15:38	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 15:38	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 15:38	1
Trichloroethene	51		5.0	0.19	ug/L			12/21/12 15:38	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 15:38	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 15:38	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 15:38	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 15:38	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 15:38	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 15:38	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 15:38	1
Tetrachloroethene	5.7		5.0	0.17	ug/L			12/21/12 15:38	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 15:38	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 15:38	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 15:38	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 15:38	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 15:38	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 15:38	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 15:38	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	106		75 - 125				12/21/12 15:38	1	
Toluene-d8 (Surr)	99		75 - 120				12/21/12 15:38	1	
4-Bromofluorobenzene (Surr)	96		75 - 120				12/21/12 15:38	1	
Dibromofluoromethane	105		75 - 120				12/21/12 15:38	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW9

Lab Sample ID: 500-53388-9

Matrix: Water

Date Collected: 12/18/12 08:51

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 16:02	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 16:02	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			12/21/12 16:02	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 16:02	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 16:02	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			12/21/12 16:02	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 16:02	1
Acetone	<20		20	1.3	ug/L			12/21/12 16:02	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 16:02	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 16:02	1
1,1-Dichloroethane	5.0		5.0	0.19	ug/L			12/21/12 16:02	1
cis-1,2-Dichloroethene	8.4		5.0	0.12	ug/L			12/21/12 16:02	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 16:02	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 16:02	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			12/21/12 16:02	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 16:02	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 16:02	1
Trichloroethene	<5.0		5.0	0.19	ug/L			12/21/12 16:02	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 16:02	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 16:02	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 16:02	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 16:02	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 16:02	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 16:02	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 16:02	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			12/21/12 16:02	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 16:02	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 16:02	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 16:02	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 16:02	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 16:02	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 16:02	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 16:02	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	105		75 - 125				12/21/12 16:02	1	
Toluene-d8 (Surr)	97		75 - 120				12/21/12 16:02	1	
4-Bromofluorobenzene (Surr)	92		75 - 120				12/21/12 16:02	1	
Dibromofluoromethane	102		75 - 120				12/21/12 16:02	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWFB

Lab Sample ID: 500-53388-10

Matrix: Water

Date Collected: 12/18/12 13:50

Date Received: 12/19/12 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 16:26	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 16:26	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			12/21/12 16:26	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 16:26	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 16:26	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			12/21/12 16:26	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 16:26	1
Acetone	<20		20	1.3	ug/L			12/21/12 16:26	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 16:26	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 16:26	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			12/21/12 16:26	1
cis-1,2-Dichloroethene	<5.0		5.0	0.12	ug/L			12/21/12 16:26	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 16:26	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 16:26	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			12/21/12 16:26	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 16:26	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 16:26	1
Trichloroethene	<5.0		5.0	0.19	ug/L			12/21/12 16:26	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 16:26	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 16:26	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 16:26	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 16:26	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 16:26	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 16:26	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 16:26	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			12/21/12 16:26	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 16:26	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 16:26	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 16:26	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 16:26	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 16:26	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 16:26	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 16:26	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		12/21/12 16:26	1
Toluene-d8 (Surr)	98		75 - 120		12/21/12 16:26	1
4-Bromofluorobenzene (Surr)	95		75 - 120		12/21/12 16:26	1
Dibromofluoromethane	100		75 - 120		12/21/12 16:26	1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: TRIP BLANK

Date Collected: 12/18/12 00:00

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			12/21/12 16:51	1
Chloromethane	<5.0		5.0	0.18	ug/L			12/21/12 16:51	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			12/21/12 16:51	1
Bromomethane	<5.0		5.0	0.31	ug/L			12/21/12 16:51	1
Chloroethane	<5.0		5.0	0.34	ug/L			12/21/12 16:51	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			12/21/12 16:51	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			12/21/12 16:51	1
Acetone	<20		20	1.3	ug/L			12/21/12 16:51	1
Methylene Chloride	<10		10	0.68	ug/L			12/21/12 16:51	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			12/21/12 16:51	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			12/21/12 16:51	1
cis-1,2-Dichloroethene	<5.0		5.0	0.12	ug/L			12/21/12 16:51	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			12/21/12 16:51	1
Chloroform	<5.0		5.0	0.20	ug/L			12/21/12 16:51	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			12/21/12 16:51	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			12/21/12 16:51	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 16:51	1
Trichloroethene	<5.0		5.0	0.19	ug/L			12/21/12 16:51	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			12/21/12 16:51	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			12/21/12 16:51	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			12/21/12 16:51	1
methyl isobutyl ketone	<20		20	0.33	ug/L			12/21/12 16:51	1
Toluene	<5.0		5.0	0.11	ug/L			12/21/12 16:51	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			12/21/12 16:51	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			12/21/12 16:51	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			12/21/12 16:51	1
2-Hexanone	<20		20	0.56	ug/L			12/21/12 16:51	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			12/21/12 16:51	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			12/21/12 16:51	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			12/21/12 16:51	1
Styrene	<5.0		5.0	0.10	ug/L			12/21/12 16:51	1
Bromoform	<5.0		5.0	0.28	ug/L			12/21/12 16:51	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			12/21/12 16:51	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			12/21/12 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 125		12/21/12 16:51	1
Toluene-d8 (Surr)	97		75 - 120		12/21/12 16:51	1
4-Bromofluorobenzene (Surr)	93		75 - 120		12/21/12 16:51	1
Dibromofluoromethane	100		75 - 120		12/21/12 16:51	1

TestAmerica Chicago

Definitions/Glossary

Client: Environmental Information Logistics (EIL)

Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	RPD of the MS and MSD exceeds the control limits
F	MS or MSD exceeds the control limits

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

⊗	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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QC Association Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

GC/MS VOA

Analysis Batch: 173670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-53388-1	IPCGWMW1	Total/NA	Water	8260B	5
500-53388-2	IPCGWMW2	Total/NA	Water	8260B	6
500-53388-3	IPCGWMW3	Total/NA	Water	8260B	7
500-53388-4	IPCGWMW4	Total/NA	Water	8260B	8
500-53388-5	IPCGWMW5	Total/NA	Water	8260B	9
500-53388-5 MS	IPCGWMW5	Total/NA	Water	8260B	10
500-53388-6	IPCGWMW6	Total/NA	Water	8260B	11
500-53388-7	IPCGWMW7	Total/NA	Water	8260B	12
500-53388-8	IPCGWMW8	Total/NA	Water	8260B	13
500-53388-9	IPCGWMW9	Total/NA	Water	8260B	14
500-53388-10	IPCGWF8	Total/NA	Water	8260B	15
500-53388-11	TRIP BLANK	Total/NA	Water	8260B	
LCS 500-173670/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-173670/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 173864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-53388-5 MSD	IPCGWMW5	Total/NA	Water	8260B	13
LCS 500-173864/26	Lab Control Sample	Total/NA	Water	8260B	14
MB 500-173864/6	Method Blank	Total/NA	Water	8260B	15

Surrogate Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)
500-53388-1	IPCGWMW1	104	97	96	99
500-53388-2	IPCGWMW2	105	97	97	101
500-53388-3	IPCGWMW3	108	98	96	102
500-53388-4	IPCGWMW4	110	98	95	100
500-53388-5	IPCGWMW5	106	96	95	101
500-53388-5 MS	IPCGWMW5	107	97	96	107
500-53388-5 MSD	IPCGWMW5	100	97	95	100
500-53388-6	IPCGWMW6	107	97	93	99
500-53388-7	IPCGWMW7	106	97	95	102
500-53388-8	IPCGWMW8	106	99	96	105
500-53388-9	IPCGWMW9	105	97	92	102
500-53388-10	IPCGWFB	107	98	95	100
500-53388-11	TRIP BLANK	104	97	93	100
LCS 500-173670/4	Lab Control Sample	105	97	100	99
LCS 500-173864/26	Lab Control Sample	99	93	93	94
MB 500-173670/6	Method Blank	105	97	94	99
MB 500-173864/6	Method Blank	108	94	94	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-173670/6

Matrix: Water

Analysis Batch: 173670

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
Benzene	<5.0		1	5.0	0.074	ug/L		12/21/12 10:20	
Chloromethane	<5.0		1	5.0	0.18	ug/L		12/21/12 10:20	
Vinyl chloride	<2.0		1	2.0	0.10	ug/L		12/21/12 10:20	
Bromomethane	<5.0		1	5.0	0.31	ug/L		12/21/12 10:20	
Chloroethane	<5.0		1	5.0	0.34	ug/L		12/21/12 10:20	
1,1-Dichloroethene	<5.0		1	5.0	0.31	ug/L		12/21/12 10:20	
Carbon disulfide	<5.0		1	5.0	0.43	ug/L		12/21/12 10:20	
Acetone	<20		1	20	1.3	ug/L		12/21/12 10:20	
Methylene Chloride	<10		1	10	0.68	ug/L		12/21/12 10:20	
trans-1,2-Dichloroethene	<5.0		1	5.0	0.25	ug/L		12/21/12 10:20	
1,1-Dichloroethane	<5.0		1	5.0	0.19	ug/L		12/21/12 10:20	
cis-1,2-Dichloroethene	<5.0		1	5.0	0.12	ug/L		12/21/12 10:20	
Methyl Ethyl Ketone	<20		1	20	1.5	ug/L		12/21/12 10:20	
Chloroform	<5.0		1	5.0	0.20	ug/L		12/21/12 10:20	
1,1,1-Trichloroethane	<5.0		1	5.0	0.20	ug/L		12/21/12 10:20	
Carbon tetrachloride	<5.0		1	5.0	0.26	ug/L		12/21/12 10:20	
1,2-Dichloroethane	<5.0		1	5.0	0.28	ug/L		12/21/12 10:20	
Trichloroethene	<5.0		1	5.0	0.19	ug/L		12/21/12 10:20	
1,2-Dichloropropane	<5.0		1	5.0	0.20	ug/L		12/21/12 10:20	
Bromodichloromethane	<5.0		1	5.0	0.17	ug/L		12/21/12 10:20	
cis-1,3-Dichloropropene	<5.0		1	5.0	0.18	ug/L		12/21/12 10:20	
methyl isobutyl ketone	<20		1	20	0.33	ug/L		12/21/12 10:20	
Toluene	<5.0		1	5.0	0.11	ug/L		12/21/12 10:20	
trans-1,3-Dichloropropene	<5.0		1	5.0	0.21	ug/L		12/21/12 10:20	
1,1,2-Trichloroethane	<5.0		1	5.0	0.28	ug/L		12/21/12 10:20	
Tetrachloroethene	<5.0		1	5.0	0.17	ug/L		12/21/12 10:20	
2-Hexanone	<20		1	20	0.56	ug/L		12/21/12 10:20	
Dibromochloromethane	<5.0		1	5.0	0.32	ug/L		12/21/12 10:20	
Chlorobenzene	<5.0		1	5.0	0.14	ug/L		12/21/12 10:20	
Ethylbenzene	<5.0		1	5.0	0.13	ug/L		12/21/12 10:20	
Styrene	<5.0		1	5.0	0.10	ug/L		12/21/12 10:20	
Bromoform	<5.0		1	5.0	0.28	ug/L		12/21/12 10:20	
1,1,2,2-Tetrachloroethane	<5.0		1	5.0	0.23	ug/L		12/21/12 10:20	
Xylenes, Total	<5.0		1	5.0	0.068	ug/L		12/21/12 10:20	

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Prepared	Analyzed		
1,2-Dichloroethane-d4 (Surr)	105		1	75 - 125		12/21/12 10:20	
Toluene-d8 (Surr)	97		1	75 - 120		12/21/12 10:20	
4-Bromofluorobenzene (Surr)	94		1	75 - 120		12/21/12 10:20	
Dibromofluoromethane	99		1	75 - 120		12/21/12 10:20	

Lab Sample ID: LCS 500-173670/4

Matrix: Water

Analysis Batch: 173670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS	LCS	Unit	D	%Rec.	Limits
	Added	Result	Qualifier	Unit				
Benzene	50.0	38.4		ug/L	77	70 - 120		
Chloromethane	50.0	34.5		ug/L	69	50 - 134		

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-173670/4

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 173670

Analyte	Spike	LCS		Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Vinyl chloride	50.0	42.3		ug/L		85	62 - 138
Bromomethane	50.0	61.5		ug/L		123	50 - 150
Chloroethane	50.0	40.8		ug/L		82	50 - 150
1,1-Dichloroethene	50.0	34.1		ug/L		68	58 - 122
Carbon disulfide	50.0	29.5		ug/L		59	50 - 120
Acetone	50.0	44.1		ug/L		88	46 - 153
Methylene Chloride	50.0	37.5		ug/L		75	65 - 125
trans-1,2-Dichloroethene	50.0	39.6		ug/L		79	70 - 124
1,1-Dichloroethane	50.0	39.3		ug/L		79	68 - 121
cis-1,2-Dichloroethene	50.0	40.8		ug/L		82	70 - 120
Methyl Ethyl Ketone	50.0	47.7		ug/L		95	54 - 138
Chloroform	50.0	43.6		ug/L		87	70 - 120
1,1,1-Trichloroethane	50.0	46.3		ug/L		93	70 - 123
Carbon tetrachloride	50.0	45.6		ug/L		91	70 - 125
1,2-Dichloroethane	50.0	43.5		ug/L		87	69 - 120
Trichloroethene	50.0	43.8		ug/L		88	70 - 120
1,2-Dichloropropane	50.0	40.5		ug/L		81	70 - 120
Bromodichloromethane	50.0	43.3		ug/L		87	70 - 120
cis-1,3-Dichloropropene	53.8	47.4		ug/L		88	70 - 120
methyl isobutyl ketone	50.0	50.3		ug/L		101	59 - 135
Toluene	50.0	41.8		ug/L		84	70 - 120
trans-1,3-Dichloropropene	48.6	44.1		ug/L		91	70 - 120
1,1,2-Trichloroethane	50.0	41.9		ug/L		84	69 - 120
Tetrachloroethene	50.0	44.9		ug/L		90	70 - 123
2-Hexanone	50.0	48.0		ug/L		96	55 - 144
Dibromochloromethane	50.0	47.2		ug/L		94	70 - 120
Chlorobenzene	50.0	41.0		ug/L		82	70 - 120
Ethylbenzene	50.0	43.5		ug/L		87	75 - 120
Styrene	50.0	44.1		ug/L		88	75 - 120
Bromoform	50.0	49.2		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.6		ug/L		83	70 - 128
Xylenes, Total	150	129		ug/L		86	70 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Sur)	105		75 - 125
Toluene-d8 (Sur)	97		75 - 120
4-Bromofluorobenzene (Sur)	100		75 - 120
Dibromofluoromethane	99		75 - 120

Lab Sample ID: 500-53388-5 MS

Client Sample ID: IPCGWMW5
 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 173670

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<5.0		50.0	39.2		ug/L		78	70 - 120
Chloromethane	<5.0		50.0	37.5		ug/L		75	50 - 134
Vinyl chloride	<2.0		50.0	45.9		ug/L		90	62 - 138
Bromomethane	<5.0		50.0	60.2		ug/L		120	50 - 150

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-53388-5 MS

Matrix: Water

Analysis Batch: 173670

Client Sample ID: IPCGWMW5

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Chloroethane	<5.0		50.0	44.7		ug/L		89	50 - 150
1,1-Dichloroethene	11		50.0	47.0		ug/L		71	58 - 122
Carbon disulfide	<5.0		50.0	30.8		ug/L		62	50 - 120
Acetone	<20		50.0	45.5		ug/L		91	46 - 153
Methylene Chloride	<10		50.0	40.1		ug/L		80	65 - 125
trans-1,2-Dichloroethene	<5.0		50.0	41.6		ug/L		82	70 - 124
1,1-Dichloroethane	5.9		50.0	48.4		ug/L		85	68 - 121
cis-1,2-Dichloroethene	54		50.0	98.6		ug/L		88	70 - 120
Methyl Ethyl Ketone	<20		50.0	48.4		ug/L		97	54 - 138
Chloroform	<5.0		50.0	46.7		ug/L		93	70 - 120
1,1,1-Trichloroethane	14		50.0	62.8		ug/L		98	70 - 123
Carbon tetrachloride	<5.0		50.0	47.4		ug/L		95	70 - 125
1,2-Dichloroethane	<5.0		50.0	44.5		ug/L		89	69 - 120
Trichloroethene	130		50.0	175		ug/L		87	70 - 120
1,2-Dichloropropane	<5.0		50.0	41.6		ug/L		83	70 - 120
Bromodichloromethane	<5.0		50.0	44.6		ug/L		89	70 - 120
cis-1,3-Dichloropropene	<5.0		53.8	46.0		ug/L		86	70 - 120
methyl isobutyl ketone	<20		50.0	50.2		ug/L		100	59 - 135
Toluene	<5.0		50.0	42.4		ug/L		85	70 - 120
trans-1,3-Dichloropropene	<5.0		48.6	43.4		ug/L		89	70 - 120
1,1,2-Trichloroethane	<5.0		50.0	44.1		ug/L		88	69 - 120
Tetrachloroethene	32		50.0	76.0		ug/L		88	70 - 123
2-Hexanone	<20		50.0	49.5		ug/L		99	55 - 144
Dibromochloromethane	<5.0		50.0	46.4		ug/L		93	70 - 120
Chlorobenzene	<5.0		50.0	41.2		ug/L		82	70 - 120
Ethylbenzene	<5.0		50.0	43.4		ug/L		87	75 - 120
Styrene	<5.0		50.0	44.5		ug/L		89	75 - 120
Bromoform	<5.0		50.0	49.0		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	<5.0		50.0	44.4		ug/L		89	70 - 128
Xylenes, Total	<5.0		150	131		ug/L		87	70 - 120

MS **MS**

Surrogate	MS	MS	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107				75 - 125
Toluene-d8 (Surr)	97				75 - 120
4-Bromofluorobenzene (Surr)	96				75 - 120
Dibromofluoromethane	107				75 - 120

Lab Sample ID: MB 500-173864/6

Matrix: Water

Analysis Batch: 173864

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Benzene	<5.0				5.0	0.074	ug/L			12/26/12 10:31	1
Chloromethane	<5.0				5.0	0.18	ug/L			12/26/12 10:31	1
Vinyl chloride	<2.0				2.0	0.10	ug/L			12/26/12 10:31	1
Bromomethane	<5.0				5.0	0.31	ug/L			12/26/12 10:31	1
Chloroethane	<5.0				5.0	0.34	ug/L			12/26/12 10:31	1
1,1-Dichloroethene	<5.0				5.0	0.31	ug/L			12/26/12 10:31	1

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-173864/6

Matrix: Water

Analysis Batch: 173864

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Carbon disulfide	<5.0				5.0	0.43	ug/L			12/26/12 10:31	1
Acetone	<20				20	1.3	ug/L			12/26/12 10:31	1
Methylene Chloride	<10				10	0.68	ug/L			12/26/12 10:31	1
trans-1,2-Dichloroethene	<5.0				5.0	0.25	ug/L			12/26/12 10:31	1
1,1-Dichloroethane	<5.0				5.0	0.19	ug/L			12/26/12 10:31	1
cis-1,2-Dichloroethene	<5.0				5.0	0.12	ug/L			12/26/12 10:31	1
Methyl Ethyl Ketone	<20				20	1.5	ug/L			12/26/12 10:31	1
Chloroform	<5.0				5.0	0.20	ug/L			12/26/12 10:31	1
1,1,1-Trichloroethane	<5.0				5.0	0.20	ug/L			12/26/12 10:31	1
Carbon tetrachloride	<5.0				5.0	0.26	ug/L			12/26/12 10:31	1
1,2-Dichloroethane	<5.0				5.0	0.28	ug/L			12/26/12 10:31	1
Trichloroethene	<5.0				5.0	0.19	ug/L			12/26/12 10:31	1
1,2-Dichloropropane	<5.0				5.0	0.20	ug/L			12/26/12 10:31	1
Bromodichloromethane	<5.0				5.0	0.17	ug/L			12/26/12 10:31	1
cis-1,3-Dichloropropene	<5.0				5.0	0.18	ug/L			12/26/12 10:31	1
methyl isobutyl ketone	<20				20	0.33	ug/L			12/26/12 10:31	1
Toluene	<5.0				5.0	0.11	ug/L			12/26/12 10:31	1
trans-1,3-Dichloropropene	<5.0				5.0	0.21	ug/L			12/26/12 10:31	1
1,1,2-Trichloroethane	<5.0				5.0	0.28	ug/L			12/26/12 10:31	1
Tetrachloroethene	<5.0				5.0	0.17	ug/L			12/26/12 10:31	1
2-Hexanone	<20				20	0.56	ug/L			12/26/12 10:31	1
Dibromochloromethane	<5.0				5.0	0.32	ug/L			12/26/12 10:31	1
Chlorobenzene	<5.0				5.0	0.14	ug/L			12/26/12 10:31	1
Ethylbenzene	<5.0				5.0	0.13	ug/L			12/26/12 10:31	1
Styrene	<5.0				5.0	0.10	ug/L			12/26/12 10:31	1
Bromoform	<5.0				5.0	0.28	ug/L			12/26/12 10:31	1
1,1,2,2-Tetrachloroethane	<5.0				5.0	0.23	ug/L			12/26/12 10:31	1
Xylenes, Total	<5.0				5.0	0.068	ug/L			12/26/12 10:31	1

MB MB

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1,2-Dichloroethane-d4 (Surr)	108		75 - 125				12/26/12 10:31	1
Toluene-d8 (Surr)	94		75 - 120				12/26/12 10:31	1
4-Bromofluorobenzene (Surr)	94		75 - 120				12/26/12 10:31	1
Dibromofluoromethane	101		75 - 120				12/26/12 10:31	1

Lab Sample ID: LCS 500-173864/26

Matrix: Water

Analysis Batch: 173864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	MB	MB	Result	Qualifier	Unit	D	%Rec.	Limits	Prepared	Analyzed	Dil Fac
	Added	Result	Qualifier									
Benzene	50.0	45.7		45.7		ug/L	91	70 - 120				
Chloromethane	50.0	36.5		36.5		ug/L	73	50 - 134				
Vinyl chloride	50.0	45.8		45.8		ug/L	92	62 - 138				
Bromomethane	50.0	62.0		62.0		ug/L	124	50 - 150				
Chloroethane	50.0	44.4		44.4		ug/L	89	50 - 150				
1,1-Dichloroethene	50.0	46.2		46.2		ug/L	92	58 - 122				
Carbon disulfide	50.0	42.9		42.9		ug/L	86	50 - 120				
Acetone	50.0	60.5		60.5		ug/L	121	46 - 153				

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-173864/26

Matrix: Water

Analysis Batch: 173864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
Methylene Chloride	50.0	44.9		ug/L		90	65 - 125
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	70 - 124
1,1-Dichloroethane	50.0	47.4		ug/L		95	68 - 121
cis-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 120
Methyl Ethyl Ketone	50.0	55.9		ug/L		112	54 - 138
Chloroform	50.0	50.7		ug/L		101	70 - 120
1,1,1-Trichloroethane	50.0	55.6		ug/L		111	70 - 123
Carbon tetrachloride	50.0	56.3		ug/L		113	70 - 125
1,2-Dichloroethane	50.0	51.2		ug/L		102	69 - 120
Trichloroethene	50.0	50.9		ug/L		102	70 - 120
1,2-Dichloropropane	50.0	46.3		ug/L		93	70 - 120
Bromodichloromethane	50.0	49.5		ug/L		99	70 - 120
cis-1,3-Dichloropropene	53.8	53.2		ug/L		99	70 - 120
methyl isobutyl ketone	50.0	55.1		ug/L		110	59 - 135
Toluene	50.0	48.5		ug/L		97	70 - 120
trans-1,3-Dichloropropene	48.6	49.5		ug/L		102	70 - 120
1,1,2-Trichloroethane	50.0	46.2		ug/L		92	69 - 120
Tetrachloroethene	50.0	53.1		ug/L		106	70 - 123
2-Hexanone	50.0	56.7		ug/L		113	55 - 144
Dibromochloromethane	50.0	51.5		ug/L		103	70 - 120
Chlorobenzene	50.0	45.4		ug/L		91	70 - 120
Ethylbenzene	50.0	49.0		ug/L		98	75 - 120
Styrene	50.0	49.2		ug/L		98	75 - 120
Bromoform	50.0	53.7		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.5		ug/L		91	70 - 128
Xylenes, Total	150	146		ug/L		97	70 - 120

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		75 - 125
Toluene-d8 (Surr)	93		75 - 120
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane	94		75 - 120

Lab Sample ID: 500-53388-5 MSD

Matrix: Water

Analysis Batch: 173864

Client Sample ID: IPCGWMW5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.	RPD	RPD Limit
				Result	Qualifier						
Benzene	<5.0		50.0	47.3		ug/L		95	70 - 120	19	20
Chloromethane	<5.0		50.0	37.5		ug/L		75	50 - 134	0	20
Vinyl chloride	<2.0		50.0	48.2		ug/L		94	62 - 138	5	20
Bromomethane	<5.0		50.0	66.9		ug/L		134	50 - 150	11	20
Chloroethane	<5.0		50.0	47.7		ug/L		95	50 - 150	6	20
1,1-Dichloroethene	11		50.0	59.9	F	ug/L		97	58 - 122	24	20
Carbon disulfide	<5.0		50.0	43.8	F	ug/L		88	50 - 120	35	20
Acetone	<20		50.0	48.2		ug/L		96	46 - 153	6	20
Methylene Chloride	<10		50.0	48.3		ug/L		97	65 - 125	19	20
trans-1,2-Dichloroethene	<5.0		50.0	51.8	F	ug/L		103	70 - 124	22	20

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-53388-5 MSD

Matrix: Water

Analysis Batch: 173864

Client Sample ID: IPCGWMW5

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,1-Dichloroethane	5.9		50.0	55.6		ug/L		99	68 - 121	14	20
cis-1,2-Dichloroethene	54		50.0	109		ug/L		109	70 - 120	10	20
Methyl Ethyl Ketone	<20		50.0	50.8		ug/L		102	54 - 138	5	20
Chloroform	<5.0		50.0	53.7		ug/L		107	70 - 120	14	20
1,1,1-Trichloroethane	14		50.0	72.1		ug/L		117	70 - 123	14	20
Carbon tetrachloride	<5.0		50.0	55.9		ug/L		112	70 - 125	16	20
1,2-Dichloroethane	<5.0		50.0	50.8		ug/L		102	69 - 120	13	20
Trichloroethene	130		50.0	197	F	ug/L		131	70 - 120	12	20
1,2-Dichloropropane	<5.0		50.0	48.1		ug/L		96	70 - 120	15	20
Bromodichloromethane	<5.0		50.0	51.1		ug/L		102	70 - 120	14	20
cis-1,3-Dichloropropene	<5.0		53.8	55.0		ug/L		102	70 - 120	18	20
methyl isobutyl ketone	<20		50.0	53.0		ug/L		106	59 - 135	6	20
Toluene	<5.0		50.0	49.6		ug/L		99	70 - 120	16	20
trans-1,3-Dichloropropene	<5.0		48.6	50.0		ug/L		103	70 - 120	14	20
1,1,2-Trichloroethane	<5.0		50.0	49.5		ug/L		99	69 - 120	12	20
Tetrachloroethene	32		50.0	86.9		ug/L		110	70 - 123	13	20
2-Hexanone	<20		50.0	52.3		ug/L		105	55 - 144	5	20
Dibromochloromethane	<5.0		50.0	53.9		ug/L		108	70 - 120	15	20
Chlorobenzene	<5.0		50.0	47.1		ug/L		94	70 - 120	14	20
Ethylbenzene	<5.0		50.0	49.6		ug/L		99	75 - 120	13	20
Styrene	<5.0		50.0	50.5		ug/L		101	75 - 120	13	20
Bromoform	<5.0		50.0	55.2		ug/L		110	70 - 125	12	20
1,1,2,2-Tetrachloroethane	<5.0		50.0	45.9		ug/L		92	70 - 128	3	20
Xylenes, Total	<5.0		150	148		ug/L		99	70 - 120	12	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		75 - 125
Toluene-d8 (Surr)	97		75 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane	100		75 - 120

TestAmerica Chicago

Lab Chronicle

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW1

Date Collected: 12/18/12 13:35

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 12:23	BDA	TAL CHI

Client Sample ID: IPCGWMW2

Date Collected: 12/18/12 12:56

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 12:47	BDA	TAL CHI

Client Sample ID: IPCGWMW3

Date Collected: 12/18/12 12:27

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 13:12	BDA	TAL CHI

Client Sample ID: IPCGWMW4

Date Collected: 12/18/12 11:32

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 14:01	BDA	TAL CHI

Client Sample ID: IPCGWMW5

Date Collected: 12/18/12 10:50

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 14:25	BDA	TAL CHI

Client Sample ID: IPCGWMW6

Date Collected: 12/18/12 10:05

Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 14:49	BDA	TAL CHI

Lab Chronicle

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Client Sample ID: IPCGWMW7

Date Collected: 12/18/12 09:00
Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 15:13	BDA	TAL CHI

Client Sample ID: IPCGWMW8

Date Collected: 12/18/12 08:40
Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 15:38	BDA	TAL CHI

Client Sample ID: IPCGWMW9

Date Collected: 12/18/12 08:51
Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 16:02	BDA	TAL CHI

Client Sample ID: IPCGWFB

Date Collected: 12/18/12 13:50
Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 16:26	BDA	TAL CHI

Client Sample ID: TRIP BLANK

Date Collected: 12/18/12 00:00
Date Received: 12/19/12 10:30

Lab Sample ID: 500-53388-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	173670	12/21/12 16:51	BDA	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

Certification Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53388-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-13
California	NELAP	9	01132CA	04-30-13
Georgia	State Program	4	N/A	04-30-13
Georgia	State Program	4	939	04-30-13
Hawaii	State Program	9	N/A	04-30-13
Illinois	NELAP	5	100201	04-30-13
Indiana	State Program	5	C-IL-02	04-30-13
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-12
Kentucky (UST)	State Program	4	66	04-11-13
L-A-B	DoD ELAP		L2304	01-06-13
L-A-B	ISO/IEC 17025		L2304	01-06-13
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-13
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-13
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	04-30-13
Texas	NELAP	6	T104704252-09-TX	02-28-13
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAP	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	04-30-13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To Contact: Company: Address: Address: Phone: Fax: E-Mail:	(optional)	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Reference#	(optional)
----------------------------------------------------------------------------------------	------------	---------------------------------------------------------------------------------------------	------------

Chain of Custody Record

500-53388

Lab Job #: _____

Chain of Custody Number: _____

Page _____ of _____

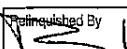
Temperature °C of Cooler: 1.3

- Preservative Key
 1. HCl, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Lab ID	MS/SD	Sample ID	Sampling		# of Containers	Matrix	Parameter	Preservative	Bill To Contact: Company: Address: Address: Phone: Fax: PO#/Reference#	(optional)	Comments	
			Date	Time								
1		IPC GW MW1	12-18-12	1335	3	W						
2		IPC GW MW2		1250								
3		IPC GW MW3		1227								
4		IPC GW MW4		1132	↓							
5	X	IPC GW MW5		1050	9							
6		IPC GW MW6		1005								
7		IPC GW MW7		900								
8		IPC GW MW8		840								
9		IPC GW MW9		857								
10		IPC GW FB.	↓	1350	↓	↓						

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By 	Company Cabins	Date 12/18/12	Time 1430	Received By 	Company TA	Date 12/19/12	Time 1030	Lab Courier <input type="checkbox"/>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Shipped 
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered <input type="checkbox"/>

Matrix Key WW - Wastewater W - Water S - Soil SL - Sludge MS - Miscellaneous OL - Oil A - Air	Client Comments	Lab Comments: 11 - Trip Blank
--------------------------------------------------------------------------------------------------------------------	-----------------	----------------------------------

Login Sample Receipt Checklist

Client: Environmental Information Logistics (EIL)

Job Number: 500-53388-1

Login Number: 53388

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.3
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	missing parameter
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-53840-1

Client Project/Site: Interstate Pollution Control Site

For:

Environmental Information Logistics (EIL)

405 Ritsher Street

Beloit, Wisconsin 53511

Attn: Ms. Mary Pearson



Authorized for release by:

1/17/2013 11:30:35 AM

Richard Wright

Project Manager II

richard.wright@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Job ID: 500-53840-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-53840-1

Comments

No additional comments.

Receipt

The samples were received on 1/15/2013 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3° C.

GC/MS VOA

No analytical or quality issues were noted.

Detection Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Client Sample ID: IPC GW MW8 Lab Sample ID: 500-53840-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	12		1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: IPC GW FB Lab Sample ID: 500-53840-2

No Detections

Client Sample ID: Trip Blank Lab Sample ID: 500-53840-3

No Detections

Client Sample ID: IPC GW MW8 Field Dup Lab Sample ID: 500-53840-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		1.0	0.19	ug/L	1		8260B	Total/NA

Method Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Sample Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-53840-1	IPC GW MW8	Water	01/14/13 10:55	01/15/13 10:15
500-53840-2	IPC GW FB	Water	01/14/13 11:15	01/15/13 10:15
500-53840-3	Trip Blank	Water	01/14/13 00:00	01/15/13 10:15
500-53840-4	IPC GW MW8 Field Dup	Water	01/14/13 10:55	01/15/13 10:15

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TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Client Sample ID: IPC GW MW8

Lab Sample ID: 500-53840-1

Matrix: Water

Date Collected: 01/14/13 10:55

Date Received: 01/15/13 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	12		1.0	0.19	ug/L			01/16/13 12:57	1
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 125					01/16/13 12:57	1
Toluene-d8 (Surr)	99		75 - 120					01/16/13 12:57	1
4-Bromofluorobenzene (Surr)	95		75 - 120					01/16/13 12:57	1
Dibromofluoromethane	90		75 - 120					01/16/13 12:57	1

Client Sample Results

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Client Sample ID: IPC GW FB

Lab Sample ID: 500-53840-2

Matrix: Water

Date Collected: 01/14/13 11:15

Date Received: 01/15/13 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			01/16/13 13:19	1
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 125					01/16/13 13:19	1
Toluene-d8 (Surr)	101		75 - 120					01/16/13 13:19	1
4-Bromofluorobenzene (Surr)	94		75 - 120					01/16/13 13:19	1
Dibromofluoromethane	93		75 - 120					01/16/13 13:19	1

Client Sample Results

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-53840-3

Matrix: Water

Date Collected: 01/14/13 00:00

Date Received: 01/15/13 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			01/16/13 13:42	1
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 125					01/16/13 13:42	1
Toluene-d8 (Surr)	98		75 - 120					01/16/13 13:42	1
4-Bromofluorobenzene (Surr)	95		75 - 120					01/16/13 13:42	1
Dibromofluoromethane	91		75 - 120					01/16/13 13:42	1

Client Sample Results

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Client Sample ID: IPC GW MW8 Field Dup

Lab Sample ID: 500-53840-4

Matrix: Water

Date Collected: 01/14/13 10:55

Date Received: 01/15/13 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	11		1.0	0.19	ug/L			01/16/13 14:05	1
<hr/>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 125					01/16/13 14:05	1
Toluene-d8 (Surr)	99		75 - 120					01/16/13 14:05	1
4-Bromofluorobenzene (Surr)	98		75 - 120					01/16/13 14:05	1
Dibromofluoromethane	92		75 - 120					01/16/13 14:05	1

Definitions/Glossary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

⊗	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

GC/MS VOA

Analysis Batch: 175153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-53840-1	IPC GW MW8	Total/NA	Water	8260B	5
500-53840-2	IPC GW FB	Total/NA	Water	8260B	6
500-53840-3	Trip Blank	Total/NA	Water	8260B	7
500-53840-4	IPC GW MW8 Field Dup	Total/NA	Water	8260B	8
LCS 500-175153/4	Lab Control Sample	Total/NA	Water	8260B	9
MB 500-175153/6	Method Blank	Total/NA	Water	8260B	10

Surrogate Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)						
500-53840-1	IPC GW MW8	95	99	95	90						
500-53840-2	IPC GW FB	100	101	94	93						
500-53840-3	Trip Blank	98	98	95	91						
500-53840-4	IPC GW MW8 Field Dup	98	99	98	92						
LCS 500-175153/4	Lab Control Sample	92	103	97	95						
MB 500-175153/6	Method Blank	92	104	96	91						

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-175153/6

Matrix: Water

Analysis Batch: 175153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethane	<1.0		1.0	0.19	ug/L			01/16/13 10:40	1
Surrogate									
1,2-Dichloroethane-d4 (Surr)	92		75 - 125				Prepared	01/16/13 10:40	1
Toluene-d8 (Surr)	104		75 - 120					01/16/13 10:40	1
4-Bromofluorobenzene (Surr)	96		75 - 120					01/16/13 10:40	1
Dibromofluoromethane	91		75 - 120					01/16/13 10:40	1

Lab Sample ID: LCS 500-175153/4

Matrix: Water

Analysis Batch: 175153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	MB	MB	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
	%Recovery	Qualifier							
1,1-Dichloroethane			50.0	46.8		ug/L		94	68 - 121
Surrogate									
1,2-Dichloroethane-d4 (Surr)	92		75 - 125						
Toluene-d8 (Surr)	103		75 - 120						
4-Bromofluorobenzene (Surr)	97		75 - 120						
Dibromofluoromethane	95		75 - 120						

Lab Chronicle

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Client Sample ID: IPC GW MW8

Lab Sample ID: 500-53840-1

Matrix: Water

Date Collected: 01/14/13 10:55

Date Received: 01/15/13 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175153	01/16/13 12:57	BDA	TAL CHI

Client Sample ID: IPC GW FB

Lab Sample ID: 500-53840-2

Matrix: Water

Date Collected: 01/14/13 11:15

Date Received: 01/15/13 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175153	01/16/13 13:19	BDA	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-53840-3

Matrix: Water

Date Collected: 01/14/13 00:00

Date Received: 01/15/13 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175153	01/16/13 13:42	BDA	TAL CHI

Client Sample ID: IPC GW MW8 Field Dup

Lab Sample ID: 500-53840-4

Matrix: Water

Date Collected: 01/14/13 10:55

Date Received: 01/15/13 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	175153	01/16/13 14:05	BDA	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

Certification Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-53840-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-13
California	NELAP	9	01132CA	04-30-13
Georgia	State Program	4	N/A	04-30-13
Georgia	State Program	4	939	04-30-13
Hawaii	State Program	9	N/A	04-30-13
Illinois	NELAP	5	100201	04-30-13
Indiana	State Program	5	C-IL-02	04-30-13
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-12
Kentucky (UST)	State Program	4	66	04-11-13
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-13
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-13
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	04-30-13
Texas	NELAP	6	T104704252-09-TX	02-28-13
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAP	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	04-30-13

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To		(optional)		Bill To		(optional)	
Contact:		Company:		Contact:		Company:	
Address:		Address:		Address:		Address:	
Address:		Address:		Address:		Address:	
Phone:		Phone:		Phone:		Phone:	
Fax:		Fax:		Fax:		Fax:	
E-Mail:		PO#/Reference#					

Chain of Custody Record

Lab Job #: 500-53840

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 0,3

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix							Preservative Key	
			Date	Time										
		ANW 1000 IPC MW 6w 5m												
1		IPPC GW MW 8	1-14-13	1053	6	3	new							
2		IPPC GW FB	1-14-13	1115	3									
3		Trip Blank			2									
4		IPPC GW MW8 FIELD DUP			3									
		new too												
		1115												

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other _____

Requested Due Date _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Lab Courier
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
CL - Oil O - Other
A - Air

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: Environmental Information Logistics (EIL)

Job Number: 500-53840-1

Login Number: 53840

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Chicago

2417 Bond Street

University Park, IL 60484

Tel: (708)534-5200

TestAmerica Job ID: 500-58621-1

Client Project/Site: Interstate Pollution Control Site

For:

Environmental Information Logistics (EIL)

405 Ritsher Street

Beloit, Wisconsin 53511

Attn: Ms. Mary Pearson



Authorized for release by:

7/11/2013 8:28:11 AM

Richard Wright, Project Manager II

richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Job ID: 500-58621-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-58621-1

Comments

No additional comments.

Receipt

The samples were received on 6/28/2013 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 192293 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Detection Summary

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW1

Lab Sample ID: 500-58621-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	13		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	14		5.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	12		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	160		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	8.3		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	54		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.3		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: MW2

Lab Sample ID: 500-58621-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	12		5.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	30		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	14		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	190		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	32		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: MW3

Lab Sample ID: 500-58621-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	13		5.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	33		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	14		5.0	0.20	ug/L	1		8260B	Total/NA
Tetrachloroethene	39		5.0	0.17	ug/L	1		8260B	Total/NA
Trichloroethene - DL	200		25	0.95	ug/L	5		8260B	Total/NA

Client Sample ID: MW4

Lab Sample ID: 500-58621-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	24		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	31		5.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	34		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	7.6		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	5.3		5.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: MW5

Lab Sample ID: 500-58621-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	12		5.0	0.31	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	30		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	15		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	140		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	45		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: MW6

Lab Sample ID: 500-58621-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	10		2.0	0.10	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	13		5.0	0.31	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	6.3		5.0	0.19	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW6 (Continued)

Lab Sample ID: 500-58621-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	63		5.0	0.12	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	18		5.0	0.20	ug/L	1		8260B	Total/NA
Trichloroethene	130		5.0	0.19	ug/L	1		8260B	Total/NA
Tetrachloroethene	45		5.0	0.17	ug/L	1		8260B	Total/NA

Client Sample ID: MW7

Lab Sample ID: 500-58621-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.5		5.0	0.12	ug/L	1		8260B	Total/NA
Trichloroethene	21		5.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: MW8

Lab Sample ID: 500-58621-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.0		5.0	0.12	ug/L	1		8260B	Total/NA
Trichloroethene	20		5.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: MW9

Lab Sample ID: 500-58621-9

No Detections.

Client Sample ID: F.B.

Lab Sample ID: 500-58621-10

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 500-58621-11

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Sample Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-58621-1	MW1	Water	06/27/13 13:35	06/28/13 10:30
500-58621-2	MW2	Water	06/27/13 13:00	06/28/13 10:30
500-58621-3	MW3	Water	06/27/13 12:28	06/28/13 10:30
500-58621-4	MW4	Water	06/27/13 11:46	06/28/13 10:30
500-58621-5	MW5	Water	06/27/13 11:18	06/28/13 10:30
500-58621-6	MW6	Water	06/27/13 10:48	06/28/13 10:30
500-58621-7	MW7	Water	06/27/13 08:30	06/28/13 10:30
500-58621-8	MW8	Water	06/27/13 08:22	06/28/13 10:30
500-58621-9	MW9	Water	06/27/13 08:42	06/28/13 10:30
500-58621-10	F.B.	Water	06/27/13 13:45	06/28/13 10:30
500-58621-11	Trip Blank	Water	06/27/13 00:00	06/28/13 10:30

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW1

Lab Sample ID: 500-58621-1

Matrix: Water

Date Collected: 06/27/13 13:35

Date Received: 06/28/13 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L		07/06/13 18:13		1
Chloromethane	<5.0		5.0	0.18	ug/L		07/06/13 18:13		1
Vinyl chloride	13		2.0	0.10	ug/L		07/06/13 18:13		1
Bromomethane	<5.0		5.0	0.31	ug/L		07/06/13 18:13		1
Chloroethane	<5.0		5.0	0.34	ug/L		07/06/13 18:13		1
1,1-Dichloroethene	14		5.0	0.31	ug/L		07/06/13 18:13		1
Carbon disulfide	<5.0		5.0	0.43	ug/L		07/06/13 18:13		1
Acetone	<20		20	1.3	ug/L		07/06/13 18:13		1
Methylene Chloride	<10		10	0.68	ug/L		07/06/13 18:13		1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L		07/06/13 18:13		1
1,1-Dichloroethane	12		5.0	0.19	ug/L		07/06/13 18:13		1
cis-1,2-Dichloroethene	160		5.0	0.12	ug/L		07/06/13 18:13		1
Methyl Ethyl Ketone	<20		20	1.5	ug/L		07/06/13 18:13		1
Chloroform	<5.0		5.0	0.20	ug/L		07/06/13 18:13		1
1,1,1-Trichloroethane	8.3		5.0	0.20	ug/L		07/06/13 18:13		1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L		07/06/13 18:13		1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 18:13		1
Trichloroethene	54		5.0	0.19	ug/L		07/06/13 18:13		1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L		07/06/13 18:13		1
Bromodichloromethane	<5.0		5.0	0.17	ug/L		07/06/13 18:13		1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L		07/06/13 18:13		1
methyl isobutyl ketone	<20		20	0.33	ug/L		07/06/13 18:13		1
Toluene	<5.0		5.0	0.11	ug/L		07/06/13 18:13		1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L		07/06/13 18:13		1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 18:13		1
Tetrachloroethene	5.3		5.0	0.17	ug/L		07/06/13 18:13		1
2-Hexanone	<20		20	0.56	ug/L		07/06/13 18:13		1
Dibromochloromethane	<5.0		5.0	0.32	ug/L		07/06/13 18:13		1
Chlorobenzene	<5.0		5.0	0.14	ug/L		07/06/13 18:13		1
Ethylbenzene	<5.0		5.0	0.13	ug/L		07/06/13 18:13		1
Styrene	<5.0		5.0	0.10	ug/L		07/06/13 18:13		1
Bromoform	<5.0		5.0	0.28	ug/L		07/06/13 18:13		1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L		07/06/13 18:13		1
Xylenes, Total	<5.0		5.0	0.068	ug/L		07/06/13 18:13		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	109		75 - 125				07/06/13 18:13		1
Toluene-d8 (Surr)	99		75 - 120				07/06/13 18:13		1
4-Bromofluorobenzene (Surr)	97		75 - 120				07/06/13 18:13		1
Dibromofluoromethane	103		75 - 120				07/06/13 18:13		1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW2

Date Collected: 06/27/13 13:00

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 18:37	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 18:37	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			07/06/13 18:37	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 18:37	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 18:37	1
1,1-Dichloroethene	12		5.0	0.31	ug/L			07/06/13 18:37	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 18:37	1
Acetone	<20		20	1.3	ug/L			07/06/13 18:37	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 18:37	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 18:37	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			07/06/13 18:37	1
cis-1,2-Dichloroethene	30		5.0	0.12	ug/L			07/06/13 18:37	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 18:37	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 18:37	1
1,1,1-Trichloroethane	14		5.0	0.20	ug/L			07/06/13 18:37	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 18:37	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 18:37	1
Trichloroethene	190		5.0	0.19	ug/L			07/06/13 18:37	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 18:37	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 18:37	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 18:37	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 18:37	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 18:37	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 18:37	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 18:37	1
Tetrachloroethene	32		5.0	0.17	ug/L			07/06/13 18:37	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 18:37	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 18:37	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 18:37	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 18:37	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 18:37	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 18:37	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 18:37	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 18:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	108		75 - 125				07/06/13 18:37	1	
Toluene-d8 (Surr)	98		75 - 120				07/06/13 18:37	1	
4-Bromofluorobenzene (Surr)	98		75 - 120				07/06/13 18:37	1	
Dibromofluoromethane	104		75 - 120				07/06/13 18:37	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW3

Date Collected: 06/27/13 12:28

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 19:26	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 19:26	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			07/06/13 19:26	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 19:26	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 19:26	1
1,1-Dichloroethene	13		5.0	0.31	ug/L			07/06/13 19:26	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 19:26	1
Acetone	<20		20	1.3	ug/L			07/06/13 19:26	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 19:26	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 19:26	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			07/06/13 19:26	1
cis-1,2-Dichloroethene	33		5.0	0.12	ug/L			07/06/13 19:26	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 19:26	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 19:26	1
1,1,1-Trichloroethane	14		5.0	0.20	ug/L			07/06/13 19:26	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 19:26	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 19:26	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 19:26	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 19:26	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 19:26	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 19:26	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 19:26	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 19:26	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 19:26	1
Tetrachloroethene	39		5.0	0.17	ug/L			07/06/13 19:26	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 19:26	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 19:26	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 19:26	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 19:26	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 19:26	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 19:26	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 19:26	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 19:26	1
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 125					07/06/13 19:26	1
Toluene-d8 (Surr)	98		75 - 120					07/06/13 19:26	1
4-Bromofluorobenzene (Surr)	95		75 - 120					07/06/13 19:26	1
Dibromofluoromethane	103		75 - 120					07/06/13 19:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	200		25	0.95	ug/L			07/06/13 19:50	5
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 125					07/06/13 19:50	5
Toluene-d8 (Surr)	99		75 - 120					07/06/13 19:50	5
4-Bromofluorobenzene (Surr)	96		75 - 120					07/06/13 19:50	5
Dibromofluoromethane	101		75 - 120					07/06/13 19:50	5

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW4

Date Collected: 06/27/13 11:46

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 20:14	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 20:14	1
Vinyl chloride	24		2.0	0.10	ug/L			07/06/13 20:14	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 20:14	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 20:14	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			07/06/13 20:14	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 20:14	1
Acetone	<20		20	1.3	ug/L			07/06/13 20:14	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 20:14	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 20:14	1
1,1-Dichloroethane	31		5.0	0.19	ug/L			07/06/13 20:14	1
cis-1,2-Dichloroethene	34		5.0	0.12	ug/L			07/06/13 20:14	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 20:14	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 20:14	1
1,1,1-Trichloroethane	7.6		5.0	0.20	ug/L			07/06/13 20:14	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 20:14	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 20:14	1
Trichloroethene	5.3		5.0	0.19	ug/L			07/06/13 20:14	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 20:14	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 20:14	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 20:14	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 20:14	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 20:14	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 20:14	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 20:14	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			07/06/13 20:14	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 20:14	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 20:14	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 20:14	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 20:14	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 20:14	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 20:14	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 20:14	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 20:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	109		75 - 125				07/06/13 20:14	1	
Toluene-d8 (Surr)	99		75 - 120				07/06/13 20:14	1	
4-Bromofluorobenzene (Surr)	96		75 - 120				07/06/13 20:14	1	
Dibromofluoromethane	105		75 - 120				07/06/13 20:14	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW5

Date Collected: 06/27/13 11:18

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 20:38	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 20:38	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			07/06/13 20:38	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 20:38	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 20:38	1
1,1-Dichloroethene	12		5.0	0.31	ug/L			07/06/13 20:38	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 20:38	1
Acetone	<20		20	1.3	ug/L			07/06/13 20:38	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 20:38	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 20:38	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			07/06/13 20:38	1
cis-1,2-Dichloroethene	30		5.0	0.12	ug/L			07/06/13 20:38	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 20:38	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 20:38	1
1,1,1-Trichloroethane	15		5.0	0.20	ug/L			07/06/13 20:38	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 20:38	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 20:38	1
Trichloroethene	140		5.0	0.19	ug/L			07/06/13 20:38	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 20:38	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 20:38	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 20:38	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 20:38	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 20:38	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 20:38	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 20:38	1
Tetrachloroethene	45		5.0	0.17	ug/L			07/06/13 20:38	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 20:38	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 20:38	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 20:38	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 20:38	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 20:38	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 20:38	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 20:38	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 20:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	104		75 - 125				07/06/13 20:38	1	
Toluene-d8 (Surr)	99		75 - 120				07/06/13 20:38	1	
4-Bromofluorobenzene (Surr)	95		75 - 120				07/06/13 20:38	1	
Dibromofluoromethane	104		75 - 120				07/06/13 20:38	1	

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW6

Date Collected: 06/27/13 10:48

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L		07/06/13 21:02		1
Chloromethane	<5.0		5.0	0.18	ug/L		07/06/13 21:02		1
Vinyl chloride	10		2.0	0.10	ug/L		07/06/13 21:02		1
Bromomethane	<5.0		5.0	0.31	ug/L		07/06/13 21:02		1
Chloroethane	<5.0		5.0	0.34	ug/L		07/06/13 21:02		1
1,1-Dichloroethene	13		5.0	0.31	ug/L		07/06/13 21:02		1
Carbon disulfide	<5.0		5.0	0.43	ug/L		07/06/13 21:02		1
Acetone	<20		20	1.3	ug/L		07/06/13 21:02		1
Methylene Chloride	<10		10	0.68	ug/L		07/06/13 21:02		1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L		07/06/13 21:02		1
1,1-Dichloroethane	6.3		5.0	0.19	ug/L		07/06/13 21:02		1
cis-1,2-Dichloroethene	63		5.0	0.12	ug/L		07/06/13 21:02		1
Methyl Ethyl Ketone	<20		20	1.5	ug/L		07/06/13 21:02		1
Chloroform	<5.0		5.0	0.20	ug/L		07/06/13 21:02		1
1,1,1-Trichloroethane	18		5.0	0.20	ug/L		07/06/13 21:02		1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L		07/06/13 21:02		1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 21:02		1
Trichloroethene	130		5.0	0.19	ug/L		07/06/13 21:02		1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L		07/06/13 21:02		1
Bromodichloromethane	<5.0		5.0	0.17	ug/L		07/06/13 21:02		1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L		07/06/13 21:02		1
methyl isobutyl ketone	<20		20	0.33	ug/L		07/06/13 21:02		1
Toluene	<5.0		5.0	0.11	ug/L		07/06/13 21:02		1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L		07/06/13 21:02		1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 21:02		1
Tetrachloroethene	45		5.0	0.17	ug/L		07/06/13 21:02		1
2-Hexanone	<20		20	0.56	ug/L		07/06/13 21:02		1
Dibromochloromethane	<5.0		5.0	0.32	ug/L		07/06/13 21:02		1
Chlorobenzene	<5.0		5.0	0.14	ug/L		07/06/13 21:02		1
Ethylbenzene	<5.0		5.0	0.13	ug/L		07/06/13 21:02		1
Styrene	<5.0		5.0	0.10	ug/L		07/06/13 21:02		1
Bromoform	<5.0		5.0	0.28	ug/L		07/06/13 21:02		1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L		07/06/13 21:02		1
Xylenes, Total	<5.0		5.0	0.068	ug/L		07/06/13 21:02		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	104		75 - 125				07/06/13 21:02		1
Toluene-d8 (Surr)	99		75 - 120				07/06/13 21:02		1
4-Bromofluorobenzene (Surr)	95		75 - 120				07/06/13 21:02		1
Dibromofluoromethane	103		75 - 120				07/06/13 21:02		1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW7

Date Collected: 06/27/13 08:30

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 22:13	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 22:13	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			07/06/13 22:13	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 22:13	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 22:13	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			07/06/13 22:13	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 22:13	1
Acetone	<20		20	1.3	ug/L			07/06/13 22:13	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 22:13	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 22:13	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			07/06/13 22:13	1
cis-1,2-Dichloroethene	8.5		5.0	0.12	ug/L			07/06/13 22:13	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 22:13	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 22:13	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			07/06/13 22:13	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 22:13	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 22:13	1
Trichloroethene	21		5.0	0.19	ug/L			07/06/13 22:13	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 22:13	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 22:13	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 22:13	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 22:13	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 22:13	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 22:13	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 22:13	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			07/06/13 22:13	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 22:13	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 22:13	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 22:13	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 22:13	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 22:13	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 22:13	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 22:13	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 125		07/06/13 22:13	1
Toluene-d8 (Surr)	100		75 - 120		07/06/13 22:13	1
4-Bromofluorobenzene (Surr)	96		75 - 120		07/06/13 22:13	1
Dibromofluoromethane	104		75 - 120		07/06/13 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW8

Date Collected: 06/27/13 08:22

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 22:36	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 22:36	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			07/06/13 22:36	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 22:36	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 22:36	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			07/06/13 22:36	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 22:36	1
Acetone	<20		20	1.3	ug/L			07/06/13 22:36	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 22:36	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 22:36	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			07/06/13 22:36	1
cis-1,2-Dichloroethene	8.0		5.0	0.12	ug/L			07/06/13 22:36	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 22:36	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 22:36	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			07/06/13 22:36	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 22:36	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 22:36	1
Trichloroethene	20		5.0	0.19	ug/L			07/06/13 22:36	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 22:36	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 22:36	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 22:36	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 22:36	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 22:36	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 22:36	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 22:36	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			07/06/13 22:36	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 22:36	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 22:36	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 22:36	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 22:36	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 22:36	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 22:36	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 22:36	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 125		07/06/13 22:36	1
Toluene-d8 (Surr)	98		75 - 120		07/06/13 22:36	1
4-Bromofluorobenzene (Surr)	96		75 - 120		07/06/13 22:36	1
Dibromofluoromethane	102		75 - 120		07/06/13 22:36	1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW9

Date Collected: 06/27/13 08:42

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L		07/06/13 23:00		1
Chloromethane	<5.0		5.0	0.18	ug/L		07/06/13 23:00		1
Vinyl chloride	<2.0		2.0	0.10	ug/L		07/06/13 23:00		1
Bromomethane	<5.0		5.0	0.31	ug/L		07/06/13 23:00		1
Chloroethane	<5.0		5.0	0.34	ug/L		07/06/13 23:00		1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L		07/06/13 23:00		1
Carbon disulfide	<5.0		5.0	0.43	ug/L		07/06/13 23:00		1
Acetone	<20		20	1.3	ug/L		07/06/13 23:00		1
Methylene Chloride	<10		10	0.68	ug/L		07/06/13 23:00		1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L		07/06/13 23:00		1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L		07/06/13 23:00		1
cis-1,2-Dichloroethene	<5.0		5.0	0.12	ug/L		07/06/13 23:00		1
Methyl Ethyl Ketone	<20		20	1.5	ug/L		07/06/13 23:00		1
Chloroform	<5.0		5.0	0.20	ug/L		07/06/13 23:00		1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L		07/06/13 23:00		1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L		07/06/13 23:00		1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 23:00		1
Trichloroethene	<5.0		5.0	0.19	ug/L		07/06/13 23:00		1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L		07/06/13 23:00		1
Bromodichloromethane	<5.0		5.0	0.17	ug/L		07/06/13 23:00		1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L		07/06/13 23:00		1
methyl isobutyl ketone	<20		20	0.33	ug/L		07/06/13 23:00		1
Toluene	<5.0		5.0	0.11	ug/L		07/06/13 23:00		1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L		07/06/13 23:00		1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 23:00		1
Tetrachloroethene	<5.0		5.0	0.17	ug/L		07/06/13 23:00		1
2-Hexanone	<20		20	0.56	ug/L		07/06/13 23:00		1
Dibromochloromethane	<5.0		5.0	0.32	ug/L		07/06/13 23:00		1
Chlorobenzene	<5.0		5.0	0.14	ug/L		07/06/13 23:00		1
Ethylbenzene	<5.0		5.0	0.13	ug/L		07/06/13 23:00		1
Styrene	<5.0		5.0	0.10	ug/L		07/06/13 23:00		1
Bromoform	<5.0		5.0	0.28	ug/L		07/06/13 23:00		1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L		07/06/13 23:00		1
Xylenes, Total	<5.0		5.0	0.068	ug/L		07/06/13 23:00		1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 125		07/06/13 23:00	1
Toluene-d8 (Surr)	100		75 - 120		07/06/13 23:00	1
4-Bromofluorobenzene (Surr)	94		75 - 120		07/06/13 23:00	1
Dibromofluoromethane	103		75 - 120		07/06/13 23:00	1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: F.B.

Date Collected: 06/27/13 13:45

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L		07/06/13 23:24		1
Chloromethane	<5.0		5.0	0.18	ug/L		07/06/13 23:24		1
Vinyl chloride	<2.0		2.0	0.10	ug/L		07/06/13 23:24		1
Bromomethane	<5.0		5.0	0.31	ug/L		07/06/13 23:24		1
Chloroethane	<5.0		5.0	0.34	ug/L		07/06/13 23:24		1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L		07/06/13 23:24		1
Carbon disulfide	<5.0		5.0	0.43	ug/L		07/06/13 23:24		1
Acetone	<20		20	1.3	ug/L		07/06/13 23:24		1
Methylene Chloride	<10		10	0.68	ug/L		07/06/13 23:24		1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L		07/06/13 23:24		1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L		07/06/13 23:24		1
cis-1,2-Dichloroethene	<5.0		5.0	0.12	ug/L		07/06/13 23:24		1
Methyl Ethyl Ketone	<20		20	1.5	ug/L		07/06/13 23:24		1
Chloroform	<5.0		5.0	0.20	ug/L		07/06/13 23:24		1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L		07/06/13 23:24		1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L		07/06/13 23:24		1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 23:24		1
Trichloroethene	<5.0		5.0	0.19	ug/L		07/06/13 23:24		1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L		07/06/13 23:24		1
Bromodichloromethane	<5.0		5.0	0.17	ug/L		07/06/13 23:24		1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L		07/06/13 23:24		1
methyl isobutyl ketone	<20		20	0.33	ug/L		07/06/13 23:24		1
Toluene	<5.0		5.0	0.11	ug/L		07/06/13 23:24		1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L		07/06/13 23:24		1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L		07/06/13 23:24		1
Tetrachloroethene	<5.0		5.0	0.17	ug/L		07/06/13 23:24		1
2-Hexanone	<20		20	0.56	ug/L		07/06/13 23:24		1
Dibromochloromethane	<5.0		5.0	0.32	ug/L		07/06/13 23:24		1
Chlorobenzene	<5.0		5.0	0.14	ug/L		07/06/13 23:24		1
Ethylbenzene	<5.0		5.0	0.13	ug/L		07/06/13 23:24		1
Styrene	<5.0		5.0	0.10	ug/L		07/06/13 23:24		1
Bromoform	<5.0		5.0	0.28	ug/L		07/06/13 23:24		1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L		07/06/13 23:24		1
Xylenes, Total	<5.0		5.0	0.068	ug/L		07/06/13 23:24		1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		07/06/13 23:24	1
Toluene-d8 (Surr)	99		75 - 120		07/06/13 23:24	1
4-Bromofluorobenzene (Surr)	95		75 - 120		07/06/13 23:24	1
Dibromofluoromethane	103		75 - 120		07/06/13 23:24	1

TestAmerica Chicago

Client Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: Trip Blank

Date Collected: 06/27/13 00:00

Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.074	ug/L			07/06/13 23:47	1
Chloromethane	<5.0		5.0	0.18	ug/L			07/06/13 23:47	1
Vinyl chloride	<2.0		2.0	0.10	ug/L			07/06/13 23:47	1
Bromomethane	<5.0		5.0	0.31	ug/L			07/06/13 23:47	1
Chloroethane	<5.0		5.0	0.34	ug/L			07/06/13 23:47	1
1,1-Dichloroethene	<5.0		5.0	0.31	ug/L			07/06/13 23:47	1
Carbon disulfide	<5.0		5.0	0.43	ug/L			07/06/13 23:47	1
Acetone	<20		20	1.3	ug/L			07/06/13 23:47	1
Methylene Chloride	<10		10	0.68	ug/L			07/06/13 23:47	1
trans-1,2-Dichloroethene	<5.0		5.0	0.25	ug/L			07/06/13 23:47	1
1,1-Dichloroethane	<5.0		5.0	0.19	ug/L			07/06/13 23:47	1
cis-1,2-Dichloroethene	<5.0		5.0	0.12	ug/L			07/06/13 23:47	1
Methyl Ethyl Ketone	<20		20	1.5	ug/L			07/06/13 23:47	1
Chloroform	<5.0		5.0	0.20	ug/L			07/06/13 23:47	1
1,1,1-Trichloroethane	<5.0		5.0	0.20	ug/L			07/06/13 23:47	1
Carbon tetrachloride	<5.0		5.0	0.26	ug/L			07/06/13 23:47	1
1,2-Dichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 23:47	1
Trichloroethene	<5.0		5.0	0.19	ug/L			07/06/13 23:47	1
1,2-Dichloropropane	<5.0		5.0	0.20	ug/L			07/06/13 23:47	1
Bromodichloromethane	<5.0		5.0	0.17	ug/L			07/06/13 23:47	1
cis-1,3-Dichloropropene	<5.0		5.0	0.18	ug/L			07/06/13 23:47	1
methyl isobutyl ketone	<20		20	0.33	ug/L			07/06/13 23:47	1
Toluene	<5.0		5.0	0.11	ug/L			07/06/13 23:47	1
trans-1,3-Dichloropropene	<5.0		5.0	0.21	ug/L			07/06/13 23:47	1
1,1,2-Trichloroethane	<5.0		5.0	0.28	ug/L			07/06/13 23:47	1
Tetrachloroethene	<5.0		5.0	0.17	ug/L			07/06/13 23:47	1
2-Hexanone	<20		20	0.56	ug/L			07/06/13 23:47	1
Dibromochloromethane	<5.0		5.0	0.32	ug/L			07/06/13 23:47	1
Chlorobenzene	<5.0		5.0	0.14	ug/L			07/06/13 23:47	1
Ethylbenzene	<5.0		5.0	0.13	ug/L			07/06/13 23:47	1
Styrene	<5.0		5.0	0.10	ug/L			07/06/13 23:47	1
Bromoform	<5.0		5.0	0.28	ug/L			07/06/13 23:47	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.23	ug/L			07/06/13 23:47	1
Xylenes, Total	<5.0		5.0	0.068	ug/L			07/06/13 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 125		07/06/13 23:47	1
Toluene-d8 (Surr)	99		75 - 120		07/06/13 23:47	1
4-Bromofluorobenzene (Surr)	95		75 - 120		07/06/13 23:47	1
Dibromofluoromethane	103		75 - 120		07/06/13 23:47	1

TestAmerica Chicago

Definitions/Glossary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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QC Association Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

GC/MS VOA

Analysis Batch: 192293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-58621-1	MW1	Total/NA	Water	8260B	1
500-58621-2	MW2	Total/NA	Water	8260B	2
500-58621-3	MW3	Total/NA	Water	8260B	3
500-58621-3 - DL	MW3	Total/NA	Water	8260B	4
500-58621-4	MW4	Total/NA	Water	8260B	5
500-58621-5	MW5	Total/NA	Water	8260B	6
500-58621-6	MW6	Total/NA	Water	8260B	7
500-58621-6 MS	MW6	Total/NA	Water	8260B	8
500-58621-6 MSD	MW6	Total/NA	Water	8260B	9
500-58621-7	MW7	Total/NA	Water	8260B	10
500-58621-8	MW8	Total/NA	Water	8260B	11
500-58621-9	MW9	Total/NA	Water	8260B	12
500-58621-10	F.B.	Total/NA	Water	8260B	13
500-58621-11	Trip Blank	Total/NA	Water	8260B	14
LCS 500-192293/4	Lab Control Sample	Total/NA	Water	8260B	15
MB 500-192293/6	Method Blank	Total/NA	Water	8260B	

Surrogate Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)
500-58621-1	MW1	109	99	97	103
500-58621-2	MW2	108	98	98	104
500-58621-3	MW3	107	98	95	103
500-58621-3 - DL	MW3	106	99	96	101
500-58621-4	MW4	109	99	96	105
500-58621-5	MW5	104	99	95	104
500-58621-6	MW6	104	99	95	103
500-58621-6 MS	MW6	106	99	100	101
500-58621-6 MSD	MW6	102	99	98	102
500-58621-7	MW7	105	100	96	104
500-58621-8	MW8	108	98	96	102
500-58621-9	MW9	109	100	94	103
500-58621-10	F.B.	107	99	95	103
500-58621-11	Trip Blank	107	99	95	103
LCS 500-192293/4	Lab Control Sample	105	99	100	104
MB 500-192293/6	Method Blank	105	100	97	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-192293/6

Matrix: Water

Analysis Batch: 192293

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
Benzene	<5.0		1	5.0	0.074	ug/L		07/06/13 14:13	
Chloromethane	<5.0		1	5.0	0.18	ug/L		07/06/13 14:13	
Vinyl chloride	<2.0		1	2.0	0.10	ug/L		07/06/13 14:13	
Bromomethane	<5.0		1	5.0	0.31	ug/L		07/06/13 14:13	
Chloroethane	<5.0		1	5.0	0.34	ug/L		07/06/13 14:13	
1,1-Dichloroethene	<5.0		1	5.0	0.31	ug/L		07/06/13 14:13	
Carbon disulfide	<5.0		1	5.0	0.43	ug/L		07/06/13 14:13	
Acetone	<20		1	20	1.3	ug/L		07/06/13 14:13	
Methylene Chloride	<10		1	10	0.68	ug/L		07/06/13 14:13	
trans-1,2-Dichloroethene	<5.0		1	5.0	0.25	ug/L		07/06/13 14:13	
1,1-Dichloroethane	<5.0		1	5.0	0.19	ug/L		07/06/13 14:13	
cis-1,2-Dichloroethene	<5.0		1	5.0	0.12	ug/L		07/06/13 14:13	
Methyl Ethyl Ketone	<20		1	20	1.5	ug/L		07/06/13 14:13	
Chloroform	<5.0		1	5.0	0.20	ug/L		07/06/13 14:13	
1,1,1-Trichloroethane	<5.0		1	5.0	0.20	ug/L		07/06/13 14:13	
Carbon tetrachloride	<5.0		1	5.0	0.26	ug/L		07/06/13 14:13	
1,2-Dichloroethane	<5.0		1	5.0	0.28	ug/L		07/06/13 14:13	
Trichloroethene	<5.0		1	5.0	0.19	ug/L		07/06/13 14:13	
1,2-Dichloropropane	<5.0		1	5.0	0.20	ug/L		07/06/13 14:13	
Bromodichloromethane	<5.0		1	5.0	0.17	ug/L		07/06/13 14:13	
cis-1,3-Dichloropropene	<5.0		1	5.0	0.18	ug/L		07/06/13 14:13	
methyl isobutyl ketone	<20		1	20	0.33	ug/L		07/06/13 14:13	
Toluene	<5.0		1	5.0	0.11	ug/L		07/06/13 14:13	
trans-1,3-Dichloropropene	<5.0		1	5.0	0.21	ug/L		07/06/13 14:13	
1,1,2-Trichloroethane	<5.0		1	5.0	0.28	ug/L		07/06/13 14:13	
Tetrachloroethene	<5.0		1	5.0	0.17	ug/L		07/06/13 14:13	
2-Hexanone	<20		1	20	0.56	ug/L		07/06/13 14:13	
Dibromochloromethane	<5.0		1	5.0	0.32	ug/L		07/06/13 14:13	
Chlorobenzene	<5.0		1	5.0	0.14	ug/L		07/06/13 14:13	
Ethylbenzene	<5.0		1	5.0	0.13	ug/L		07/06/13 14:13	
Styrene	<5.0		1	5.0	0.10	ug/L		07/06/13 14:13	
Bromoform	<5.0		1	5.0	0.28	ug/L		07/06/13 14:13	
1,1,2,2-Tetrachloroethane	<5.0		1	5.0	0.23	ug/L		07/06/13 14:13	
Xylenes, Total	<5.0		1	5.0	0.068	ug/L		07/06/13 14:13	

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Prepared	Analyzed		
1,2-Dichloroethane-d4 (Surr)	105		1	75 - 125		07/06/13 14:13	
Toluene-d8 (Surr)	100		1	75 - 120		07/06/13 14:13	
4-Bromofluorobenzene (Surr)	97		1	75 - 120		07/06/13 14:13	
Dibromofluoromethane	103		1	75 - 120		07/06/13 14:13	

Lab Sample ID: LCS 500-192293/4

Matrix: Water

Analysis Batch: 192293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Dil Fac			
	Added	Result	Qualifier		Unit	%Rec.	Limits
Benzene	50.0	46.1		92	ug/L	70 - 120	
Chloromethane	50.0	58.6		117	ug/L	50 - 134	

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-192293/4

Matrix: Water

Analysis Batch: 192293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Vinyl chloride	50.0	53.1		ug/L		106	62 - 138
Bromomethane	50.0	43.5		ug/L		87	50 - 150
Chloroethane	50.0	42.3		ug/L		85	50 - 150
1,1-Dichloroethene	50.0	44.4		ug/L		89	58 - 122
Carbon disulfide	50.0	41.0		ug/L		82	50 - 120
Acetone	50.0	56.7		ug/L		113	46 - 153
Methylene Chloride	50.0	45.9		ug/L		92	65 - 125
trans-1,2-Dichloroethene	50.0	47.3		ug/L		95	70 - 124
1,1-Dichloroethane	50.0	49.3		ug/L		99	68 - 121
cis-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 120
Methyl Ethyl Ketone	50.0	52.9		ug/L		106	54 - 138
Chloroform	50.0	48.8		ug/L		98	70 - 120
1,1,1-Trichloroethane	50.0	49.4		ug/L		99	70 - 123
Carbon tetrachloride	50.0	51.2		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	54.4		ug/L		109	69 - 120
Trichloroethene	50.0	52.0		ug/L		104	70 - 120
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 120
Bromodichloromethane	50.0	49.8		ug/L		100	70 - 120
cis-1,3-Dichloropropene	50.0	48.4		ug/L		97	70 - 120
methyl isobutyl ketone	50.0	48.7		ug/L		97	59 - 135
Toluene	50.0	48.4		ug/L		97	70 - 120
trans-1,3-Dichloropropene	50.0	46.3		ug/L		93	70 - 120
1,1,2-Trichloroethane	50.0	48.5		ug/L		97	69 - 120
Tetrachloroethene	50.0	49.9		ug/L		100	70 - 123
2-Hexanone	50.0	46.2		ug/L		92	55 - 144
Dibromochloromethane	50.0	51.5		ug/L		103	70 - 120
Chlorobenzene	50.0	47.5		ug/L		95	70 - 120
Ethylbenzene	50.0	46.6		ug/L		93	75 - 120
Styrene	50.0	47.4		ug/L		95	75 - 120
Bromoform	50.0	52.1		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	50.0	44.0		ug/L		88	70 - 128
Xylenes, Total	100	91.6		ug/L		92	70 - 120

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Sur)	105		75 - 125
Toluene-d8 (Sur)	99		75 - 120
4-Bromofluorobenzene (Sur)	100		75 - 120
Dibromofluoromethane	104		75 - 120

Lab Sample ID: 500-58621-6 MS

Matrix: Water

Analysis Batch: 192293

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzene	<5.0		50.0	47.1		ug/L		94	70 - 120
Chloromethane	<5.0		50.0	58.5		ug/L		117	50 - 134
Vinyl chloride	10		50.0	65.5		ug/L		111	62 - 138
Bromomethane	<5.0		50.0	53.1		ug/L		106	50 - 150

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-58621-6 MS

Matrix: Water

Analysis Batch: 192293

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Chloroethane	<5.0		50.0	46.9		ug/L		94	50 - 150
1,1-Dichloroethene	13		50.0	59.4		ug/L		94	58 - 122
Carbon disulfide	<5.0		50.0	42.3		ug/L		85	50 - 120
Acetone	<20		50.0	53.9		ug/L		108	46 - 153
Methylene Chloride	<10		50.0	46.6		ug/L		93	65 - 125
trans-1,2-Dichloroethene	<5.0		50.0	49.8		ug/L		95	70 - 124
1,1-Dichloroethane	6.3		50.0	57.6		ug/L		103	68 - 121
cis-1,2-Dichloroethene	63		50.0	118		ug/L		110	70 - 120
Methyl Ethyl Ketone	<20		50.0	51.2		ug/L		102	54 - 138
Chloroform	<5.0		50.0	50.7		ug/L		101	70 - 120
1,1,1-Trichloroethane	18		50.0	70.2		ug/L		104	70 - 123
Carbon tetrachloride	<5.0		50.0	54.0		ug/L		108	70 - 125
1,2-Dichloroethane	<5.0		50.0	54.9		ug/L		110	69 - 120
Trichloroethene	130		50.0	194	F	ug/L		128	70 - 120
1,2-Dichloropropane	<5.0		50.0	52.3		ug/L		105	70 - 120
Bromodichloromethane	<5.0		50.0	52.3		ug/L		105	70 - 120
cis-1,3-Dichloropropene	<5.0		50.0	47.5		ug/L		95	70 - 120
methyl isobutyl ketone	<20		50.0	55.7		ug/L		111	59 - 135
Toluene	<5.0		50.0	50.1		ug/L		100	70 - 120
trans-1,3-Dichloropropene	<5.0		50.0	46.7		ug/L		93	70 - 120
1,1,2-Trichloroethane	<5.0		50.0	50.9		ug/L		102	69 - 120
Tetrachloroethene	45		50.0	100		ug/L		111	70 - 123
2-Hexanone	<20		50.0	53.6		ug/L		107	55 - 144
Dibromochloromethane	<5.0		50.0	54.3		ug/L		109	70 - 120
Chlorobenzene	<5.0		50.0	49.7		ug/L		99	70 - 120
Ethylbenzene	<5.0		50.0	49.2		ug/L		98	75 - 120
Styrene	<5.0		50.0	49.4		ug/L		99	75 - 120
Bromoform	<5.0		50.0	57.1		ug/L		114	70 - 125
1,1,2,2-Tetrachloroethane	<5.0		50.0	47.1		ug/L		94	70 - 128
Xylenes, Total	<5.0		100	96.4		ug/L		96	70 - 120

MS **MS**

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	106		75 - 125
Toluene-d8 (Surr)	99		75 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane	101		75 - 120

Lab Sample ID: 500-58621-6 MSD

Matrix: Water

Analysis Batch: 192293

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<5.0		50.0	51.1		ug/L		102	70 - 120	8	20
Chloromethane	<5.0		50.0	59.6		ug/L		119	50 - 134	2	20
Vinyl chloride	10		50.0	65.7		ug/L		111	62 - 138	0	20
Bromomethane	<5.0		50.0	54.9		ug/L		110	50 - 150	3	20
Chloroethane	<5.0		50.0	47.6		ug/L		95	50 - 150	1	20
1,1-Dichloroethene	13		50.0	61.7		ug/L		98	58 - 122	4	20

TestAmerica Chicago

QC Sample Results

Client: Environmental Information Logistics (EIL)
 Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-58621-6 MSD

Matrix: Water

Analysis Batch: 192293

Client Sample ID: MW6
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Carbon disulfide	<5.0		50.0	45.9		ug/L		92	50 - 120	8	20	
Acetone	<20		50.0	50.8		ug/L		102	46 - 153	6	20	
Methylene Chloride	<10		50.0	50.7		ug/L		101	65 - 125	8	20	
trans-1,2-Dichloroethene	<5.0		50.0	55.6		ug/L		107	70 - 124	11	20	
1,1-Dichloroethane	6.3		50.0	61.3		ug/L		110	68 - 121	6	20	
cis-1,2-Dichloroethene	63		50.0	120		ug/L		113	70 - 120	1	20	
Methyl Ethyl Ketone	<20		50.0	54.9		ug/L		110	54 - 138	7	20	
Chloroform	<5.0		50.0	54.5		ug/L		109	70 - 120	7	20	
1,1,1-Trichloroethane	18		50.0	74.3		ug/L		112	70 - 123	6	20	
Carbon tetrachloride	<5.0		50.0	58.5		ug/L		117	70 - 125	8	20	
1,2-Dichloroethane	<5.0		50.0	58.0		ug/L		116	69 - 120	5	20	
Trichloroethene	130		50.0	193 F		ug/L		126	70 - 120	0	20	
1,2-Dichloropropane	<5.0		50.0	55.4		ug/L		111	70 - 120	6	20	
Bromodichloromethane	<5.0		50.0	55.5		ug/L		111	70 - 120	6	20	
cis-1,3-Dichloropropene	<5.0		50.0	51.4		ug/L		103	70 - 120	8	20	
methyl isobutyl ketone	<20		50.0	55.0		ug/L		110	59 - 135	1	20	
Toluene	<5.0		50.0	54.3		ug/L		109	70 - 120	8	20	
trans-1,3-Dichloropropene	<5.0		50.0	49.6		ug/L		99	70 - 120	6	20	
1,1,2-Trichloroethane	<5.0		50.0	53.4		ug/L		107	69 - 120	5	20	
Tetrachloroethene	45		50.0	102		ug/L		115	70 - 123	2	20	
2-Hexanone	<20		50.0	50.4		ug/L		101	55 - 144	6	20	
Dibromochloromethane	<5.0		50.0	56.7		ug/L		113	70 - 120	4	20	
Chlorobenzene	<5.0		50.0	53.0		ug/L		106	70 - 120	7	20	
Ethylbenzene	<5.0		50.0	53.0		ug/L		106	75 - 120	7	20	
Styrene	<5.0		50.0	53.3		ug/L		107	75 - 120	8	20	
Bromoform	<5.0		50.0	60.3		ug/L		121	70 - 125	5	20	
1,1,2,2-Tetrachloroethane	<5.0		50.0	51.1		ug/L		102	70 - 128	8	20	
Xylenes, Total	<5.0		100	104		ug/L		104	70 - 120	8	20	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		75 - 125
Toluene-d8 (Surr)	99		75 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane	102		75 - 120

TestAmerica Chicago

Lab Chronicle

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW1

Date Collected: 06/27/13 13:35
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 18:13	BDA	TAL CHI

Client Sample ID: MW2

Date Collected: 06/27/13 13:00
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 18:37	BDA	TAL CHI

Client Sample ID: MW3

Date Collected: 06/27/13 12:28
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 19:26	BDA	TAL CHI
Total/NA	Analysis	8260B	DL	5	192293	07/06/13 19:50	BDA	TAL CHI

Client Sample ID: MW4

Date Collected: 06/27/13 11:46
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 20:14	BDA	TAL CHI

Client Sample ID: MW5

Date Collected: 06/27/13 11:18
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 20:38	BDA	TAL CHI

Client Sample ID: MW6

Date Collected: 06/27/13 10:48
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 21:02	BDA	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Client Sample ID: MW7

Date Collected: 06/27/13 08:30
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 22:13	BDA	TAL CHI

Client Sample ID: MW8

Date Collected: 06/27/13 08:22
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 22:36	BDA	TAL CHI

Client Sample ID: MW9

Date Collected: 06/27/13 08:42
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 23:00	BDA	TAL CHI

Client Sample ID: F.B.

Date Collected: 06/27/13 13:45
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 23:24	BDA	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 06/27/13 00:00
Date Received: 06/28/13 10:30

Lab Sample ID: 500-58621-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	192293	07/06/13 23:47	BDA	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TestAmerica Chicago

Certification Summary

Client: Environmental Information Logistics (EIL)
Project/Site: Interstate Pollution Control Site

TestAmerica Job ID: 500-58621-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park,
Phone: 708.534.5200 Fax: 708.



500-58621 COC

(optional)		(optional)	
Report To Contact:		Bill To Contact:	
Company:		Company:	
Address:		Address:	
Address:		Address:	
Phone:		Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Chain of Custody Record

Lab Job #: 500-58621

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.9

2.9

- Preservative Key
1. HCl, Cool to 4°
 2. H₂SO₄, Cool to 4°
 3. HNO₃, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO₄
 7. Cool to 4°
 8. None
 9. Other

Comments

Lab ID	MS/SD	Sample ID	Sampling		# of Containers	Matrix	JPC							
			Date	Time										
1		MW1	6/27/13	1335	3	w	X							
2		MW2		1300	1									
3		MW3		1228	1									
4		MW4		1146	1									
5		MW5		1118	1									
6	X	MW6		1048	9									
7		MW7		830	3									
8		MW8		822	1									
9		MW9		842	1									
10		F.B.		1345	1									

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By 	Company Cahow	Date 6/27/13	Time 1000	Received By 	Company TA	Date 6/28/13	Time 1030	Lab Courier <input type="checkbox"/>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Shipped <input type="checkbox"/>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered <input type="checkbox"/>

Matrix Key
WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

11-Trip Blank

Login Sample Receipt Checklist

Client: Environmental Information Logistics (EIL)

Job Number: 500-58621-1

Login Number: 58621

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.9
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

December 2008 Through June 2013

Data Summary

IPC/Roto-Rooter Site

Well	Location	Parameter ID	Parameter	Units	Interwell Upper Limit (95%)	Intrawell Upper Limit (99%)	Dec-12		Jan-13		Jun-13		June 2013 Exceedance?
							Result	Qual	Result	Qual	Result	Qual	
MW1	Downgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	25.1	5	U	NA		8.3		No
MW1	Downgradient	190504	1,1-Dichloroethane	ug/L	14	24.0	11		NA		12		No
MW1	Downgradient	190499	1,1-Dichloroethene	ug/L	32.9	21.1	12		NA		14		No
MW1	Downgradient	147907	cis-1,2-Dichloroethene	ug/L	250	295	140		NA		160		No
MW1	Downgradient	190525	Tetrachloroethene	ug/L	45.8	5.6	5	U	NA		5.3		No
MW1	Downgradient	185820	Trichloroethene	ug/L	340	324	11		NA		54		No
MW1	Downgradient	185825	Vinyl Chloride	ug/L	48	10.4	17		NA		13		No
MW2	Downgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	39.3	10		NA		14		No
MW2	Downgradient	190504	1,1-Dichloroethane	ug/L	14	5.4	5	U	NA		5	U	No
MW2	Downgradient	190499	1,1-Dichloroethene	ug/L	32.9	30.6	10		NA		12		No
MW2	Downgradient	147907	cis-1,2-Dichloroethene	ug/L	250	131	30		NA		30		No
MW2	Downgradient	190525	Tetrachloroethene	ug/L	45.8	23.1	23		NA		32		No
MW2	Downgradient	185820	Trichloroethene	ug/L	340	293	110		NA		190		No
MW2	Downgradient	185825	Vinyl Chloride	ug/L	48	10.0	9.9		NA		2	U	No
MW3	Upgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	45.5	17		NA		14		No
MW3	Upgradient	190504	1,1-Dichloroethane	ug/L	14	11.0	5	U	NA		5	U	No
MW3	Upgradient	190499	1,1-Dichloroethene	ug/L	32.9	36.3	16		NA		13		No
MW3	Upgradient	147907	cis-1,2-Dichloroethene	ug/L	250	126	33		NA		33		No
MW3	Upgradient	190525	Tetrachloroethene	ug/L	45.8	39.7	40		NA		39		No
MW3	Upgradient	185820	Trichloroethene	ug/L	340	310	190		NA		200		No
MW3	Upgradient	185825	Vinyl Chloride	ug/L	48	2.0	2	U	NA		2	U	No
MW4	Downgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	47.2	9.6		NA		7.6		No
MW4	Downgradient	190504	1,1-Dichloroethane	ug/L	14	69.9	8.1		NA		31		No
MW4	Downgradient	190499	1,1-Dichloroethene	ug/L	32.9	33.0	5	U	NA		5	U	No
MW4	Downgradient	147907	cis-1,2-Dichloroethene	ug/L	250	461	51		NA		34		No
MW4	Downgradient	190525	Tetrachloroethene	ug/L	45.8	5.0	5	U	NA		5	U	No
MW4	Downgradient	185820	Trichloroethene	ug/L	340	5.0	5	U	NA		5.3		No
MW4	Downgradient	185825	Vinyl Chloride	ug/L	48	137	33		NA		24		No
MW5	Upgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	78.5	14		NA		15		No
MW5	Upgradient	190504	1,1-Dichloroethane	ug/L	14	25.8	5.9		NA		5	U	No
MW5	Upgradient	190499	1,1-Dichloroethene	ug/L	32.9	34.0	11		NA		12		No
MW5	Upgradient	147907	cis-1,2-Dichloroethene	ug/L	250	519	54		NA		30		No
MW5	Upgradient	190525	Tetrachloroethene	ug/L	45.8	75.7	32		NA		45		No
MW5	Upgradient	185820	Trichloroethene	ug/L	340	390	130		NA		140		No
MW5	Upgradient	185825	Vinyl Chloride	ug/L	48	15.0	2	U	NA		2	U	No

December 2008 Through June 2013

Data Summary

IPC/Roto-Rooter Site

Well	Location	Parameter ID	Parameter	Units	Interwell Upper Limit (95%)	Intrawell Upper Limit (99%)	Dec-12		Jan-13		Jun-13		June 2013 Exceedance?
							Result	Qual	Result	Qual	Result	Qual	
MW6	Upgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	71.3	13		NA		18		No
MW6	Upgradient	190504	1,1-Dichloroethane	ug/L	14	42.1	6.7		NA		6.3		No
MW6	Upgradient	190499	1,1-Dichloroethene	ug/L	32.9	36.5	9		NA		13		No
MW6	Upgradient	147907	cis-1,2-Dichloroethene	ug/L	250	352	75		NA		63		No
MW6	Upgradient	190525	Tetrachloroethene	ug/L	45.8	47.6	12		NA		45		No
MW6	Upgradient	185820	Trichloroethene	ug/L	340	220	39		NA		130		No
MW6	Upgradient	185825	Vinyl Chloride	ug/L	48	104	21		NA		10		No
MW8	Downgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	30.2	7.7		NA		5	U	No
MW8	Downgradient	190504	1,1-Dichloroethane	ug/L	14	34.0	17		12		5	U	No
MW8	Downgradient	190499	1,1-Dichloroethene	ug/L	32.9	14.1	5.9		NA		5	U	No
MW8	Downgradient	147907	cis-1,2-Dichloroethene	ug/L	250	78.2	43		NA		8		No
MW8	Downgradient	190525	Tetrachloroethene	ug/L	45.8	5.0	5.7		NA		5	U	No
MW8	Downgradient	185820	Trichloroethene	ug/L	340	171	51		NA		20		No
MW8	Downgradient	185825	Vinyl Chloride	ug/L	48	2.0	2	U	NA		2	U	No
MW9	Downgradient	190494	1,1,1-Trichloroethane	ug/L	52.5	5.0	5	U	NA		5	U	No
MW9	Downgradient	190504	1,1-Dichloroethane	ug/L	14	5.0	5		NA		5	U	No
MW9	Downgradient	190499	1,1-Dichloroethene	ug/L	32.9	5.0	5	U	NA		5	U	No
MW9	Downgradient	147907	cis-1,2-Dichloroethene	ug/L	250	5.0	8.4		NA		5	U	No
MW9	Downgradient	190525	Tetrachloroethene	ug/L	45.8	5.0	5	U	NA		5	U	No
MW9	Downgradient	185820	Trichloroethene	ug/L	340	5.0	5	U	NA		5	U	No
MW9	Downgradient	185825	Vinyl Chloride	ug/L	48	2.0	2	U	NA		2	U	No

All data reported in ug/L.

NA - Not Applicable

U - Not Detected

Interwell and Intrawell limits calculated using background data collected: Sep. 2007, Dec. 2007, Mar. 2008, and Jun. 2008. **Except for the following:**

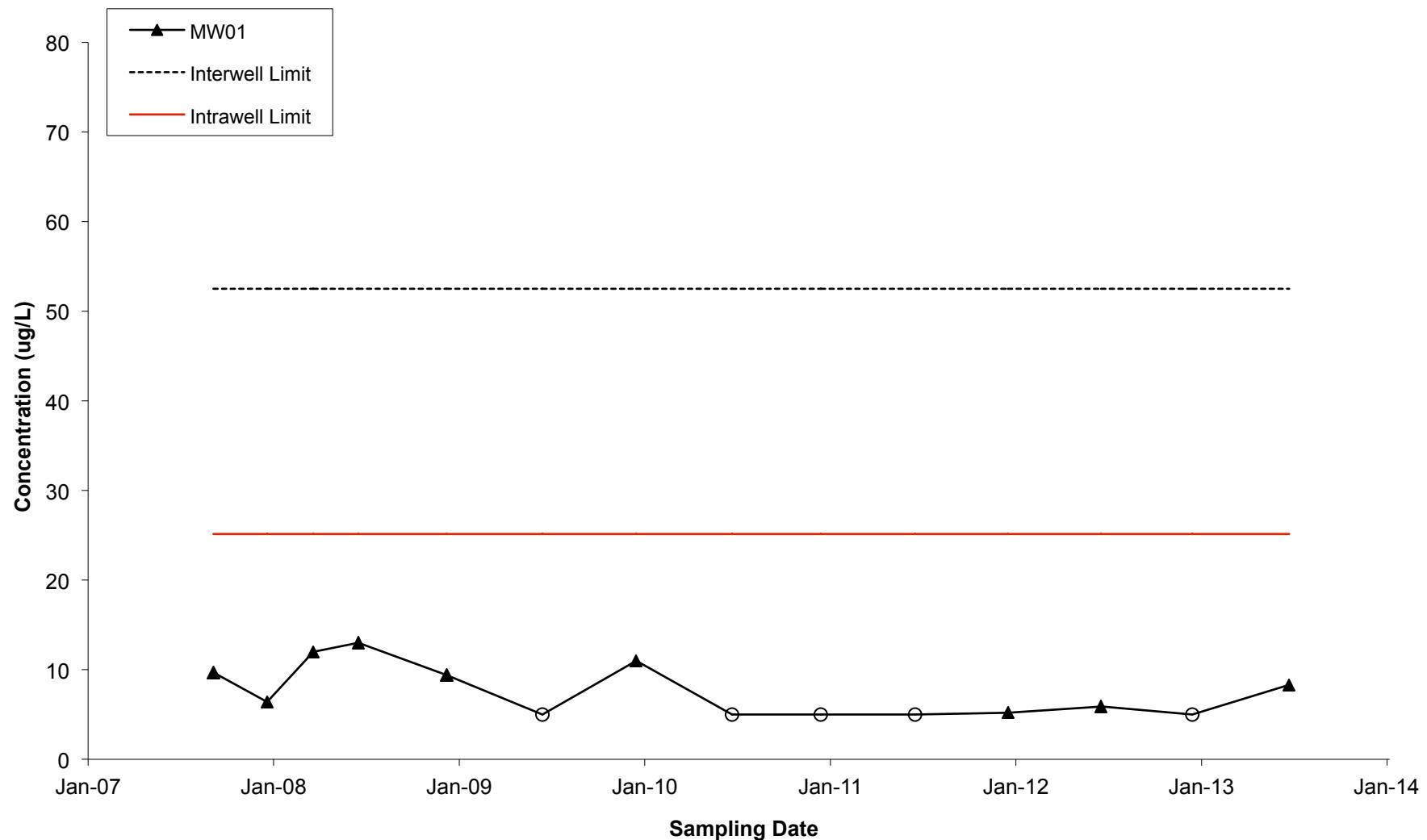
Interwell limits for 1,1-dichloroethane; tetrachloroethene; and trichloroethene collected: Dec. 2007, Jun. 2008, Dec. 2008, and Jun. 2009

Intrawell limits for 1,1-dichloroethane (MW3); tetrachloroethene and trichloroethene (MW6) collected: Dec. 2007, Jun. 2008, Dec. 2008, and Jun. 2009.

Intrawell limits for all parameters (MW8 and MW9) collected: Mar. 2009, Jun. 2009, Sep. 2009, and Dec. 2009.

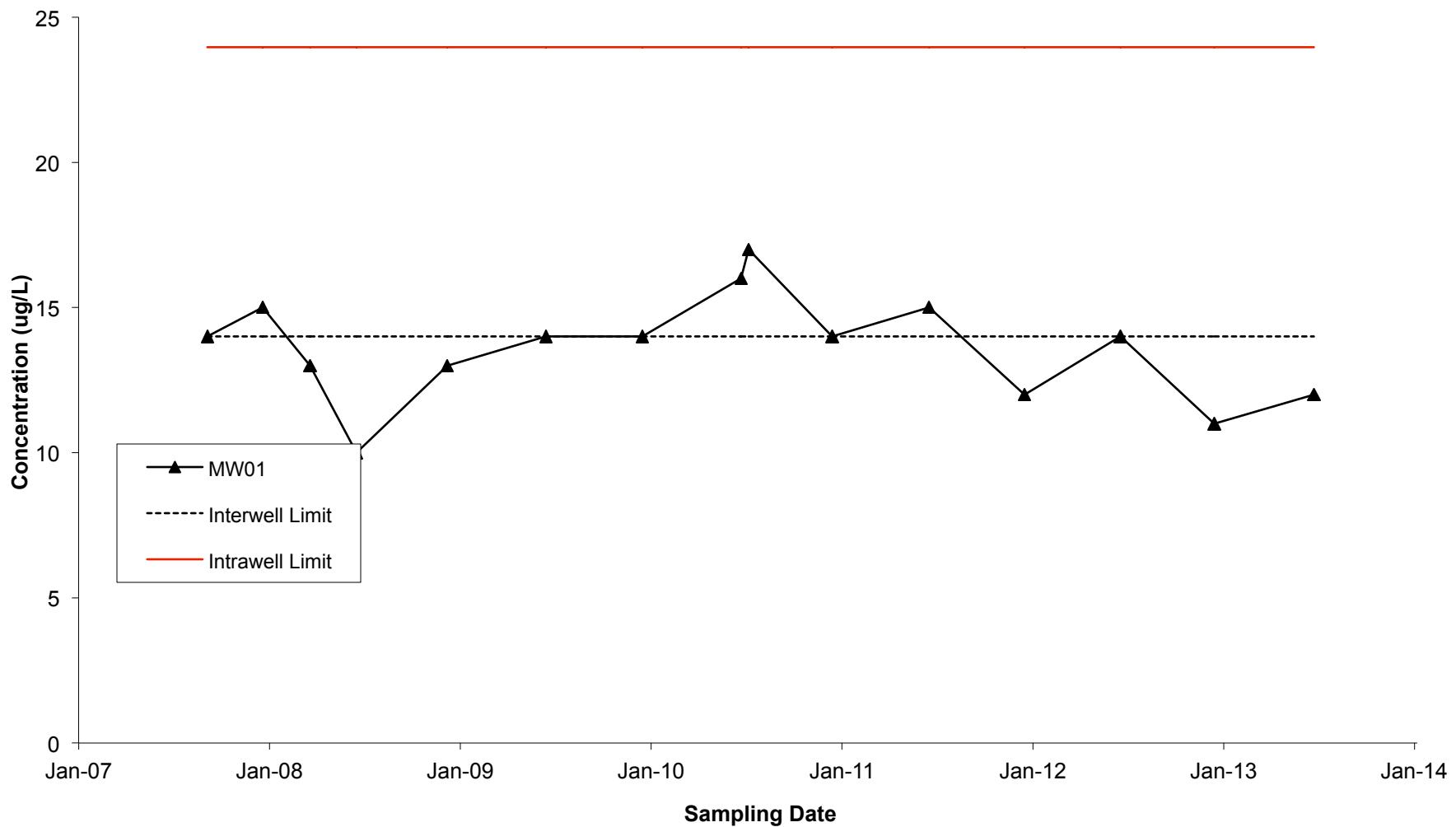
1,1,1-Trichloroethane in Well MW01
IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



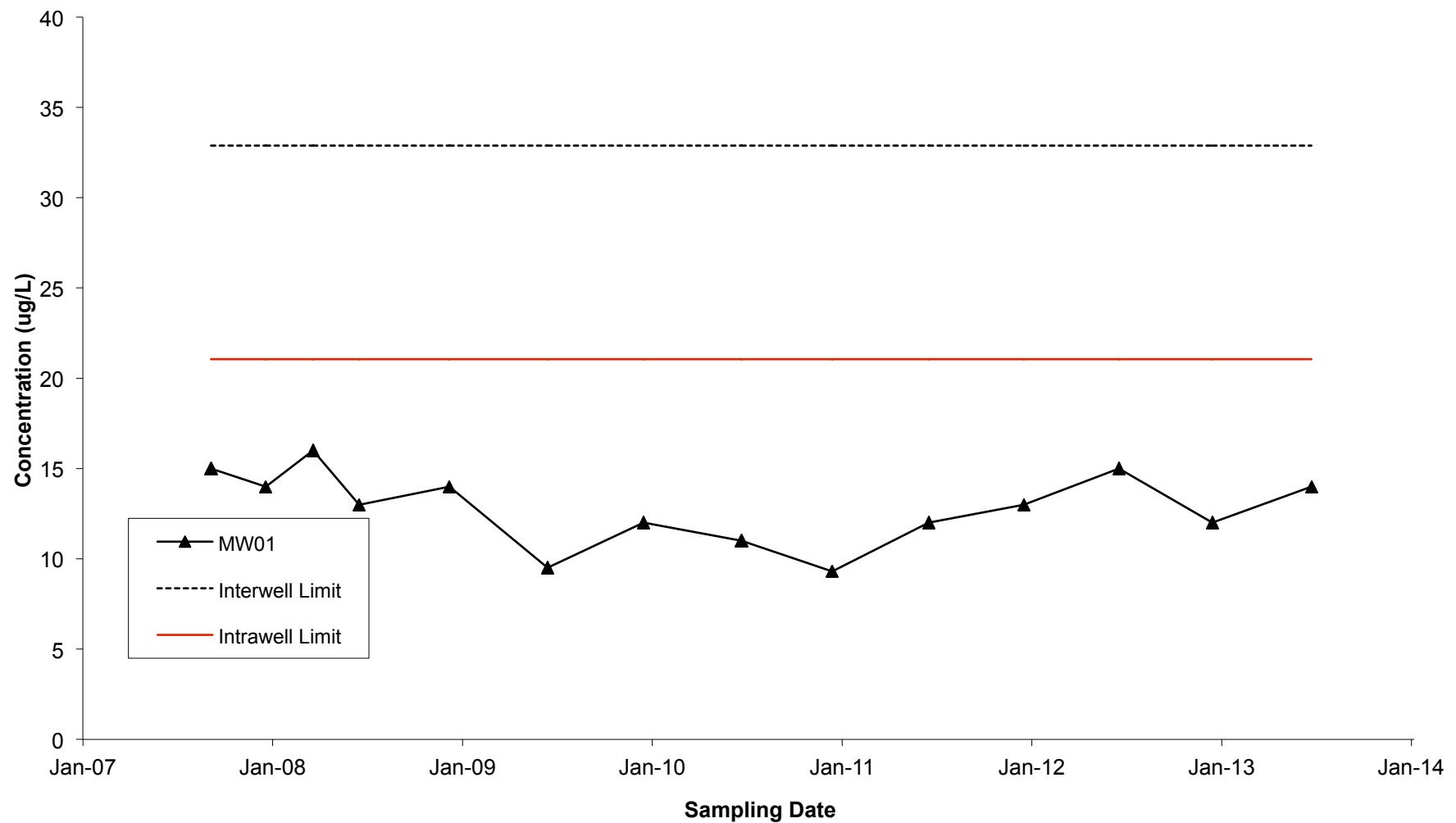
1,1-Dichloroethane in Well MW01
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



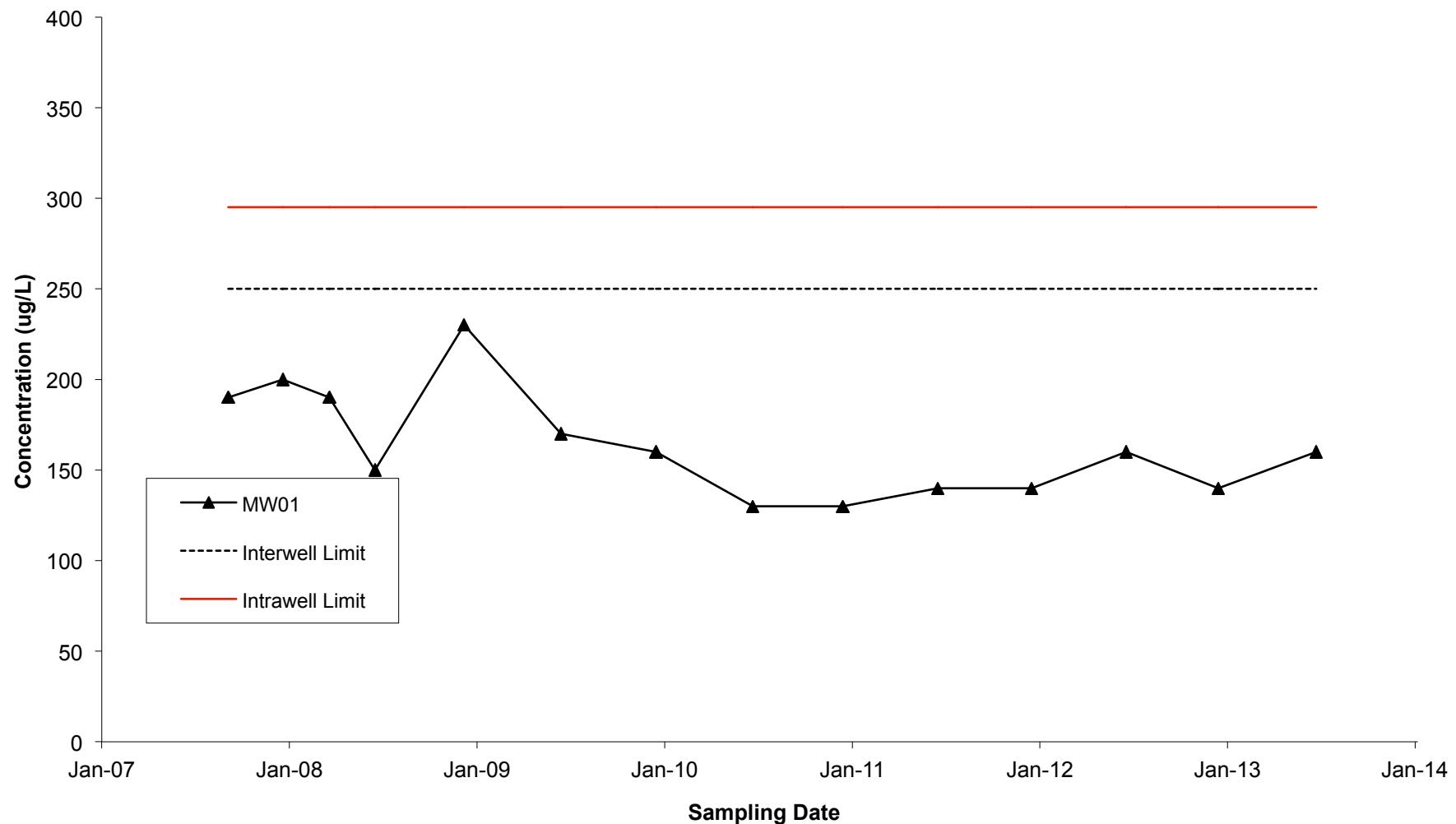
1,1-Dichloroethene in Well MW01
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



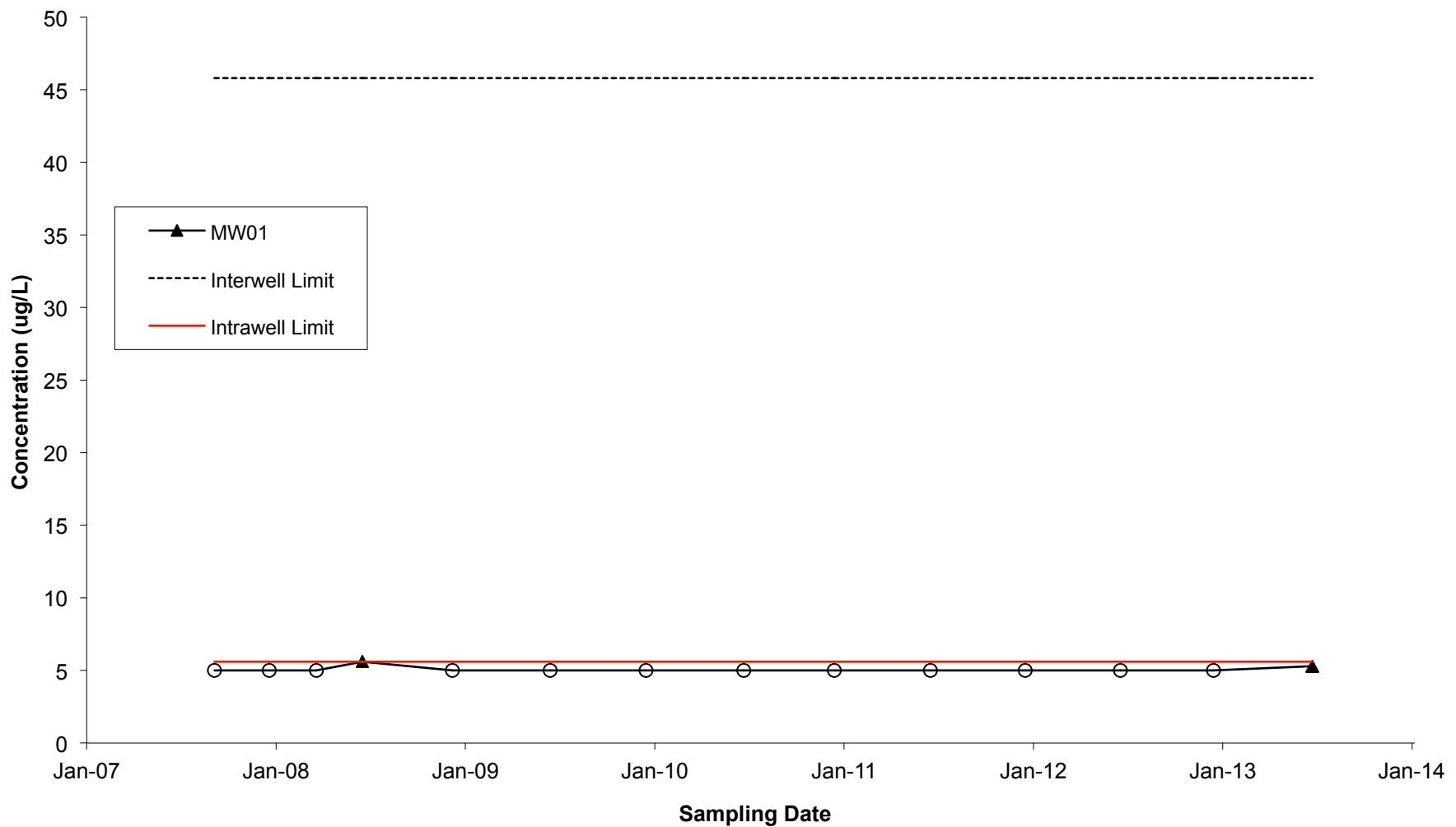
cis-1,2-Dichloroethene in Well MW01
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



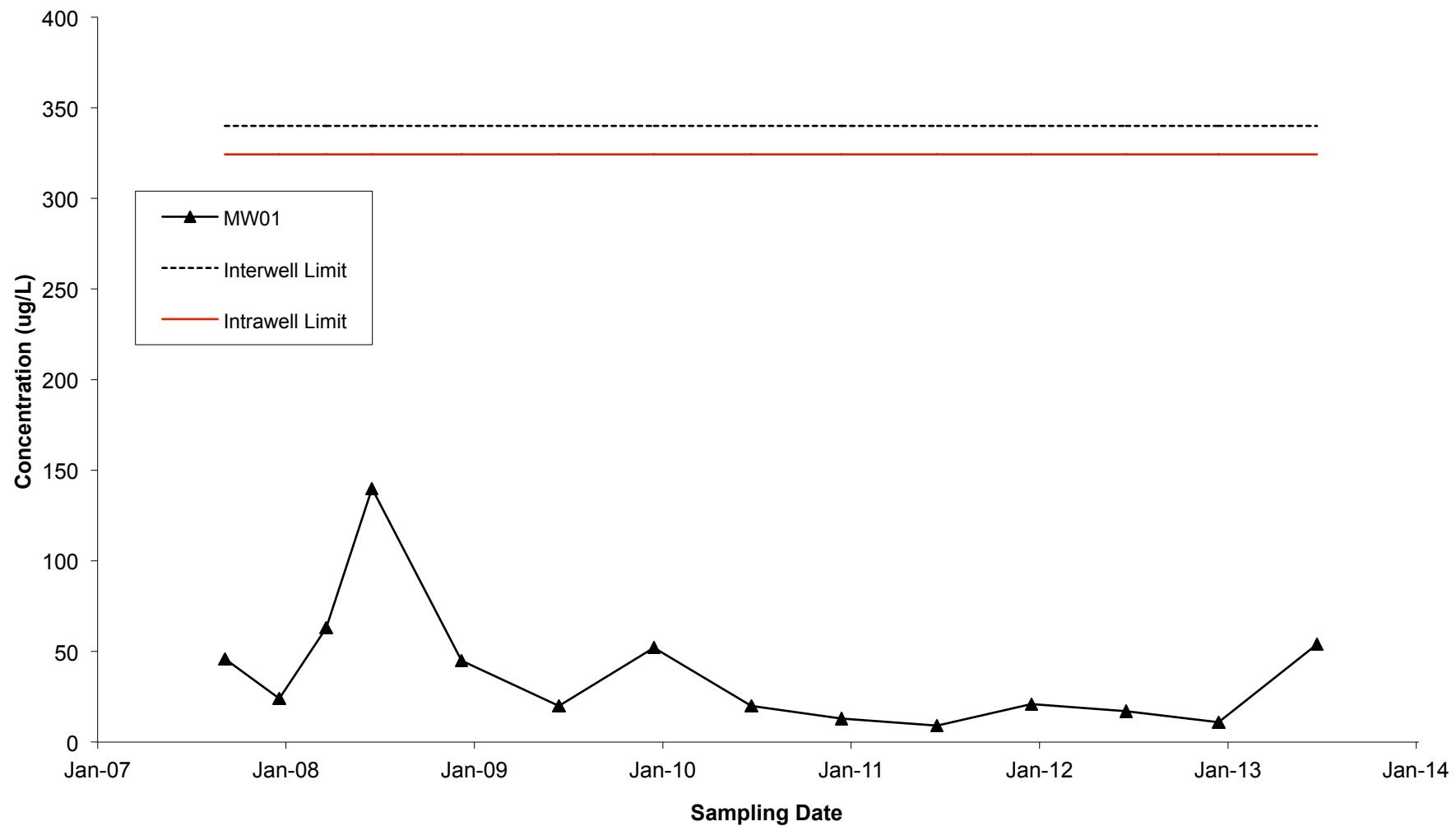
Tetrachloroethene in Well MW01
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



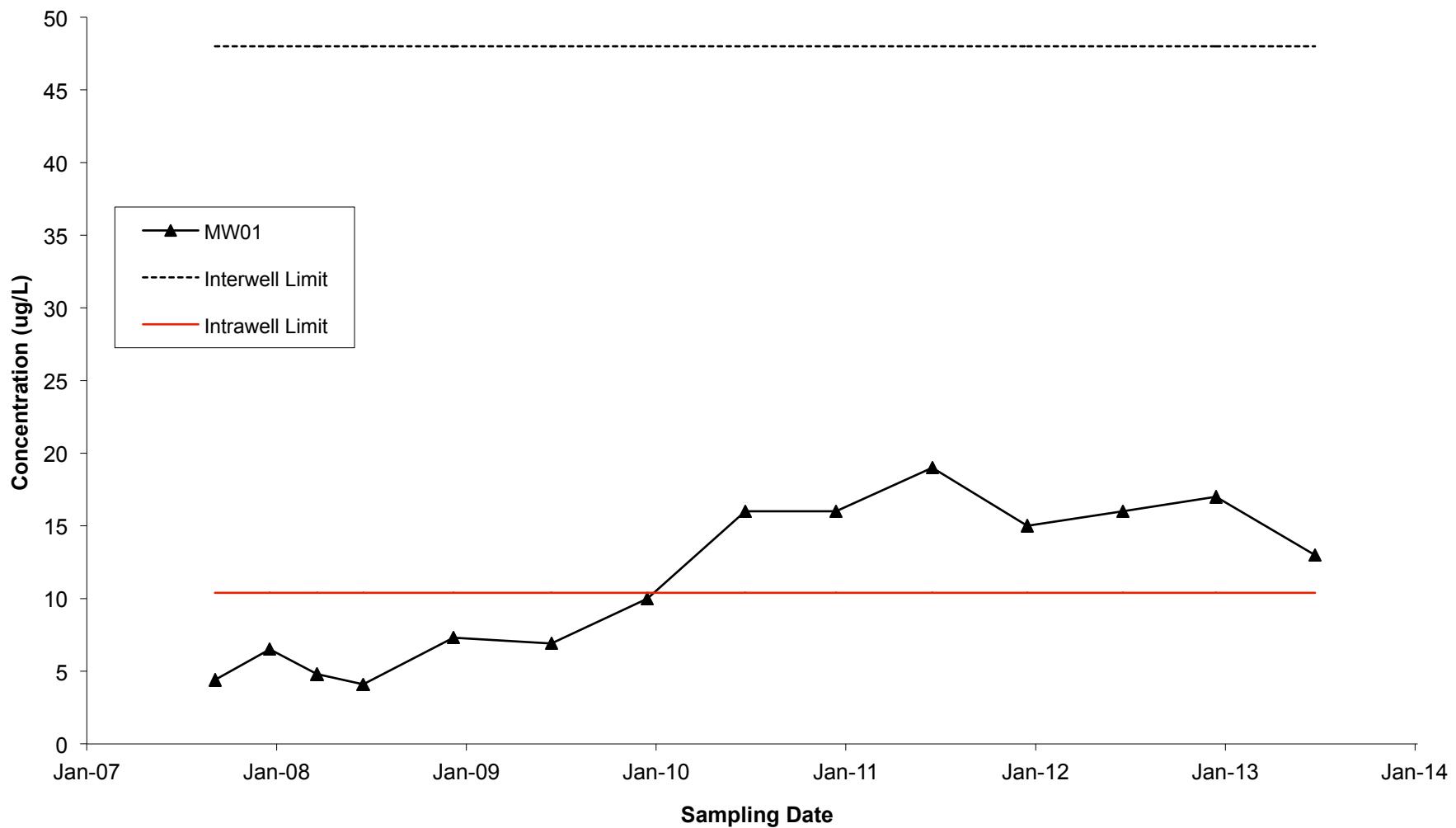
Trichloroethene in Well MW01
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW01 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Sep-07	ug/L	9.7
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Dec-07	ug/L	6.4
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Mar-08	ug/L	12
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Jun-08	ug/L	13
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Dec-08	ug/L	9.4
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Dec-09	ug/L	11
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Dec-10	ug/L	5.0
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Jun-11	ug/L	5.0
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Dec-11	ug/L	5.2
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Jun-12	ug/L	5.9
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Dec-12	ug/L	5
IPC/Roto-Rooter	MW01	190494	1,1,1-Trichloroethane	Jun-13	ug/L	8.3
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Sep-07	ug/L	14
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Dec-07	ug/L	15
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Mar-08	ug/L	13
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jun-08	ug/L	10
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Dec-08	ug/L	13
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jun-09	ug/L	14
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Dec-09	ug/L	14
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jun-10	ug/L	16
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jul-10	ug/L	17
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Dec-10	ug/L	14
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jun-11	ug/L	15
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Dec-11	ug/L	12
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jun-12	ug/L	14
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Dec-12	ug/L	11
IPC/Roto-Rooter	MW01	190504	1,1-Dichloroethane	Jun-13	ug/L	12
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Sep-07	ug/L	15
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Dec-07	ug/L	14
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Mar-08	ug/L	16
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Jun-08	ug/L	13
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Dec-08	ug/L	14
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Jun-09	ug/L	9.5
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Dec-09	ug/L	12
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Jun-10	ug/L	11
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Dec-10	ug/L	9.3
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Jun-11	ug/L	12.0
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Dec-11	ug/L	13
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Jun-12	ug/L	15
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Dec-12	ug/L	12
IPC/Roto-Rooter	MW01	190499	1,1-Dichloroethene	Jun-13	ug/L	14
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Sep-07	ug/L	190
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Dec-07	ug/L	200
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Mar-08	ug/L	190
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Jun-08	ug/L	150
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Dec-08	ug/L	230
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	170
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	160
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	130
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	130

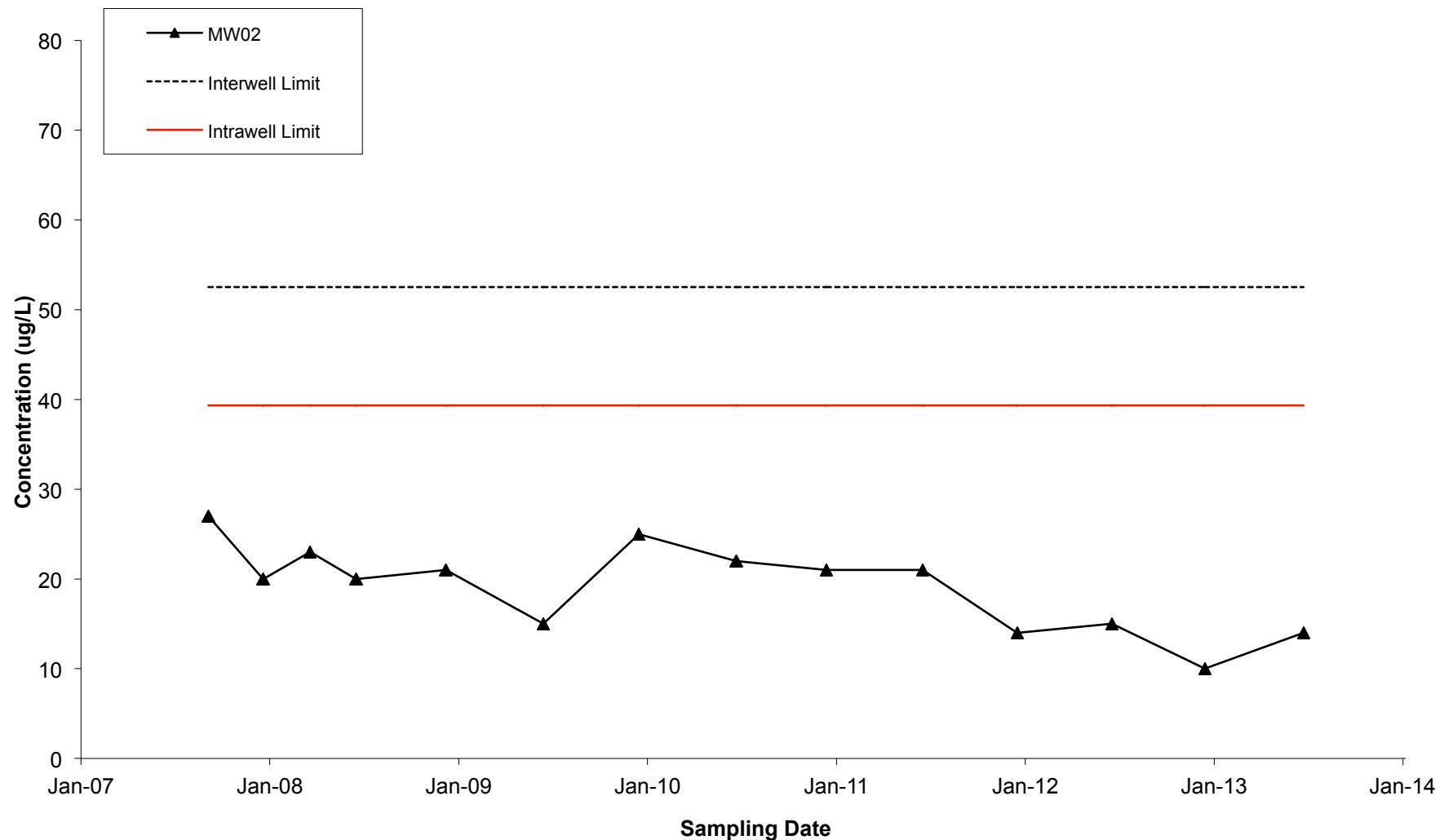
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	140
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	140
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	160
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	140
IPC/Roto-Rooter	MW01	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	160
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Dec-07	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Jun-08	ug/L	5.6
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Dec-08	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Dec-11	ug/L	5
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW01	190525	Tetrachloroethene	Jun-13	ug/L	5.3
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Sep-07	ug/L	46
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Dec-07	ug/L	24
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Mar-08	ug/L	63
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Jun-08	ug/L	140
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Dec-08	ug/L	45
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Jun-09	ug/L	20
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Dec-09	ug/L	52
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Jun-10	ug/L	20
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Dec-10	ug/L	13
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Jun-11	ug/L	9.1
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Dec-11	ug/L	21
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Jun-12	ug/L	17
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Dec-12	ug/L	11
IPC/Roto-Rooter	MW01	185820	Trichloroethene	Jun-13	ug/L	54
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Sep-07	ug/L	4.4
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Dec-07	ug/L	6.5
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Mar-08	ug/L	4.8
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Jun-08	ug/L	4.1
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Dec-08	ug/L	7.3
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Jun-09	ug/L	6.9
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Dec-09	ug/L	10
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Jun-10	ug/L	16
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Dec-10	ug/L	16
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Jun-11	ug/L	19
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Dec-11	ug/L	15
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Jun-12	ug/L	16
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Dec-12	ug/L	17
IPC/Roto-Rooter	MW01	185825	Vinyl Chloride	Jun-13	ug/L	13

41275.00

Qualifier	SQL	StatisticName	StatisticValue	StatisticName	StatisticValue
U	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
U	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	52.5	Intrawell Limit	25.1
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
U	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	14	Intrawell Limit	24.0
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
U	5	Interwell Limit	32.9	Intrawell Limit	21.1
	5	Interwell Limit	32.9	Intrawell Limit	21.1
	50	Interwell Limit	250	Intrawell Limit	295
	50	Interwell Limit	250	Intrawell Limit	295
	50	Interwell Limit	250	Intrawell Limit	295
	50	Interwell Limit	250	Intrawell Limit	295
	50	Interwell Limit	250	Intrawell Limit	295
	50	Interwell Limit	250	Intrawell Limit	295
	25	Interwell Limit	250	Intrawell Limit	295
	25	Interwell Limit	250	Intrawell Limit	295
U	25	Interwell Limit	250	Intrawell Limit	295

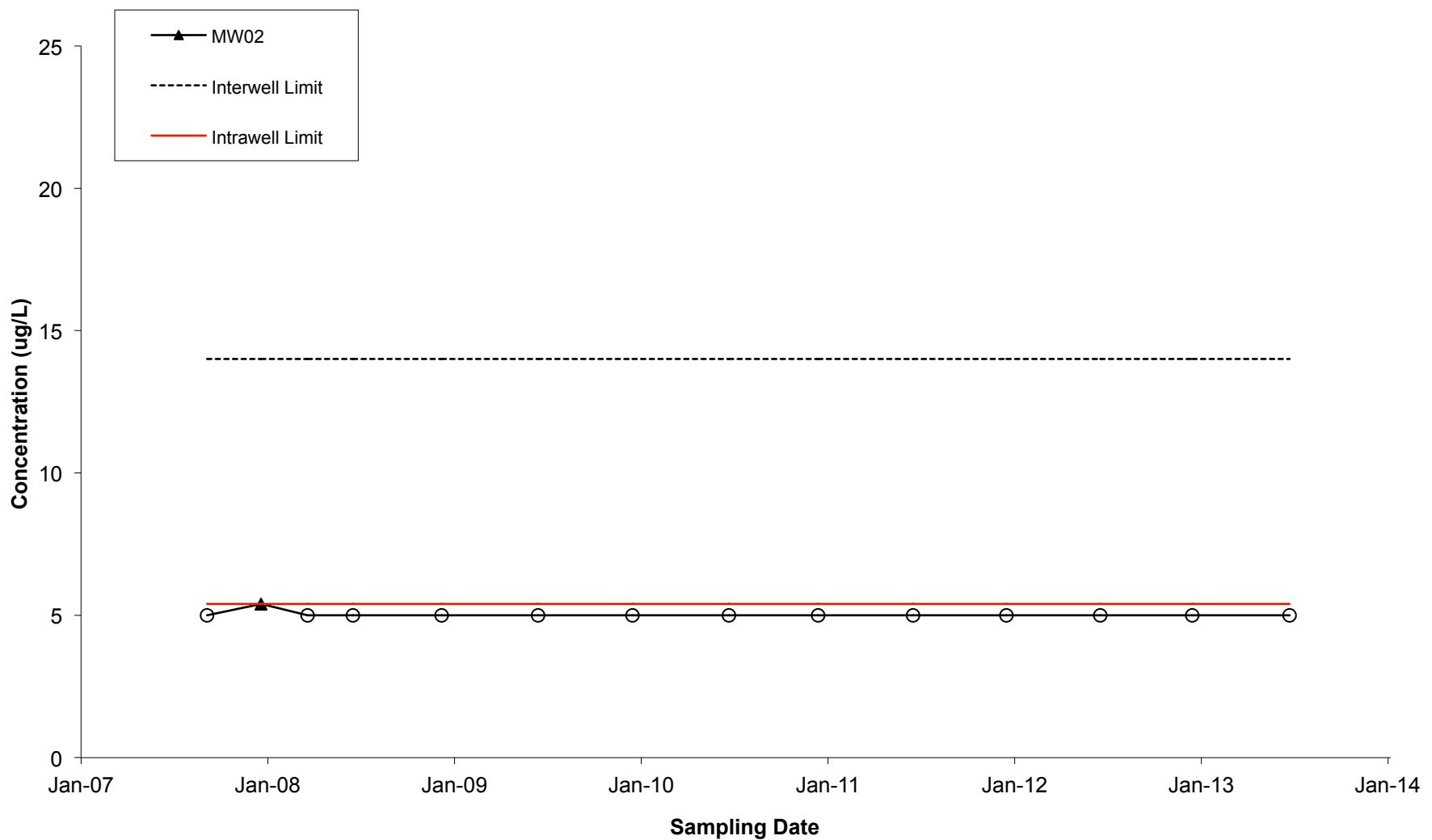
1,1,1-Trichloroethane in Well MW02
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



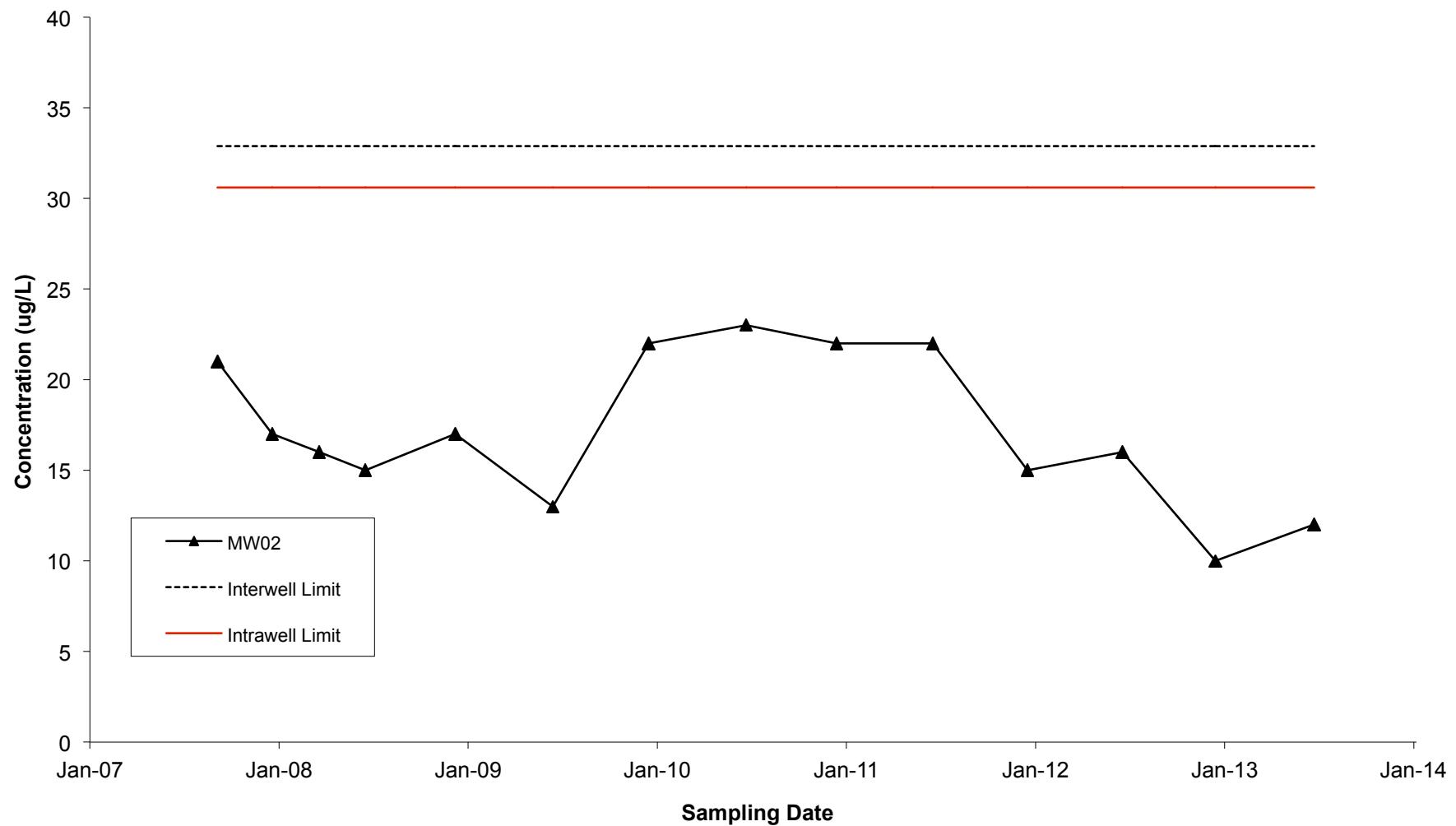
1,1-Dichloroethane in Well MW02
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



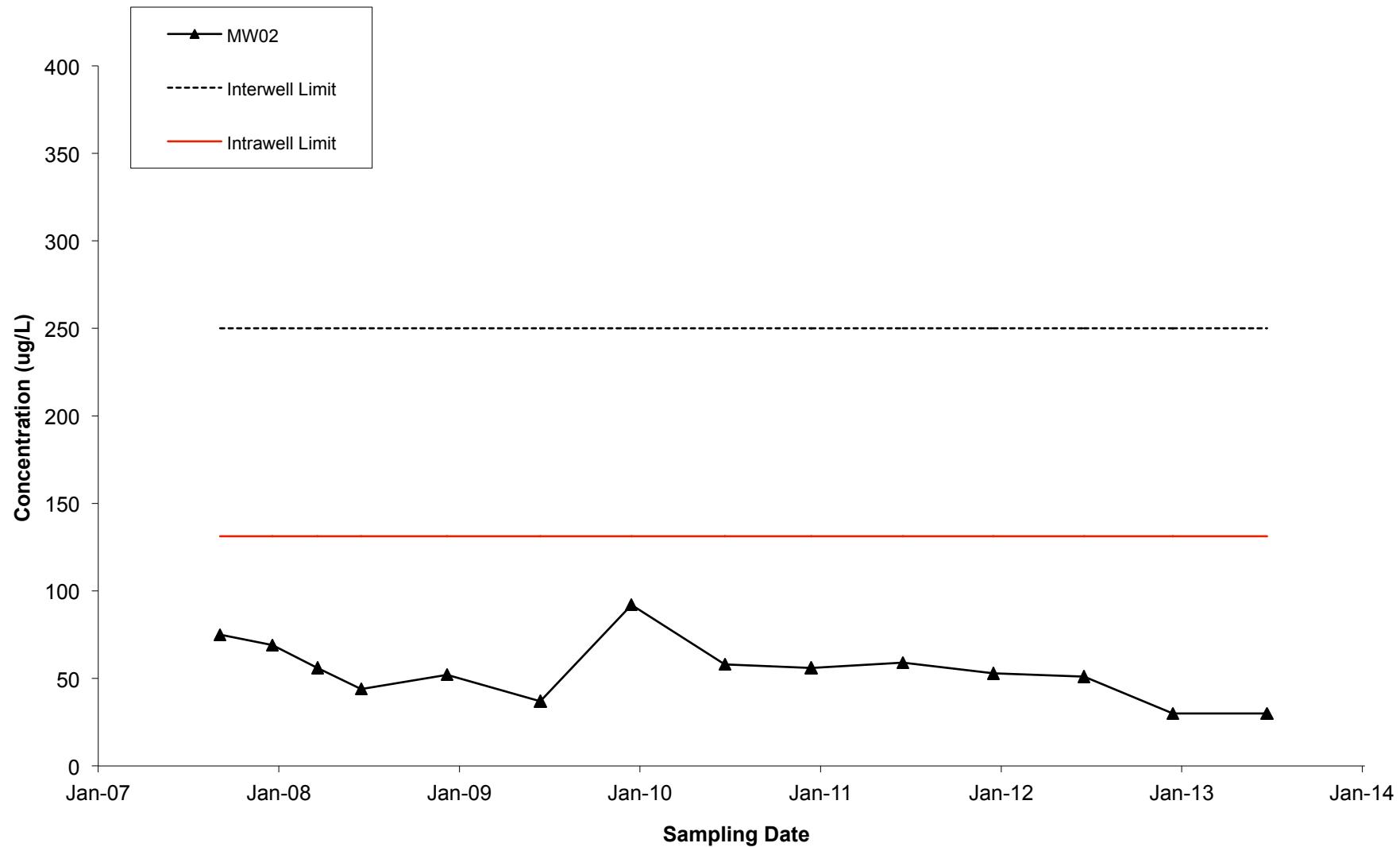
1,1-Dichloroethene in Well MW02
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



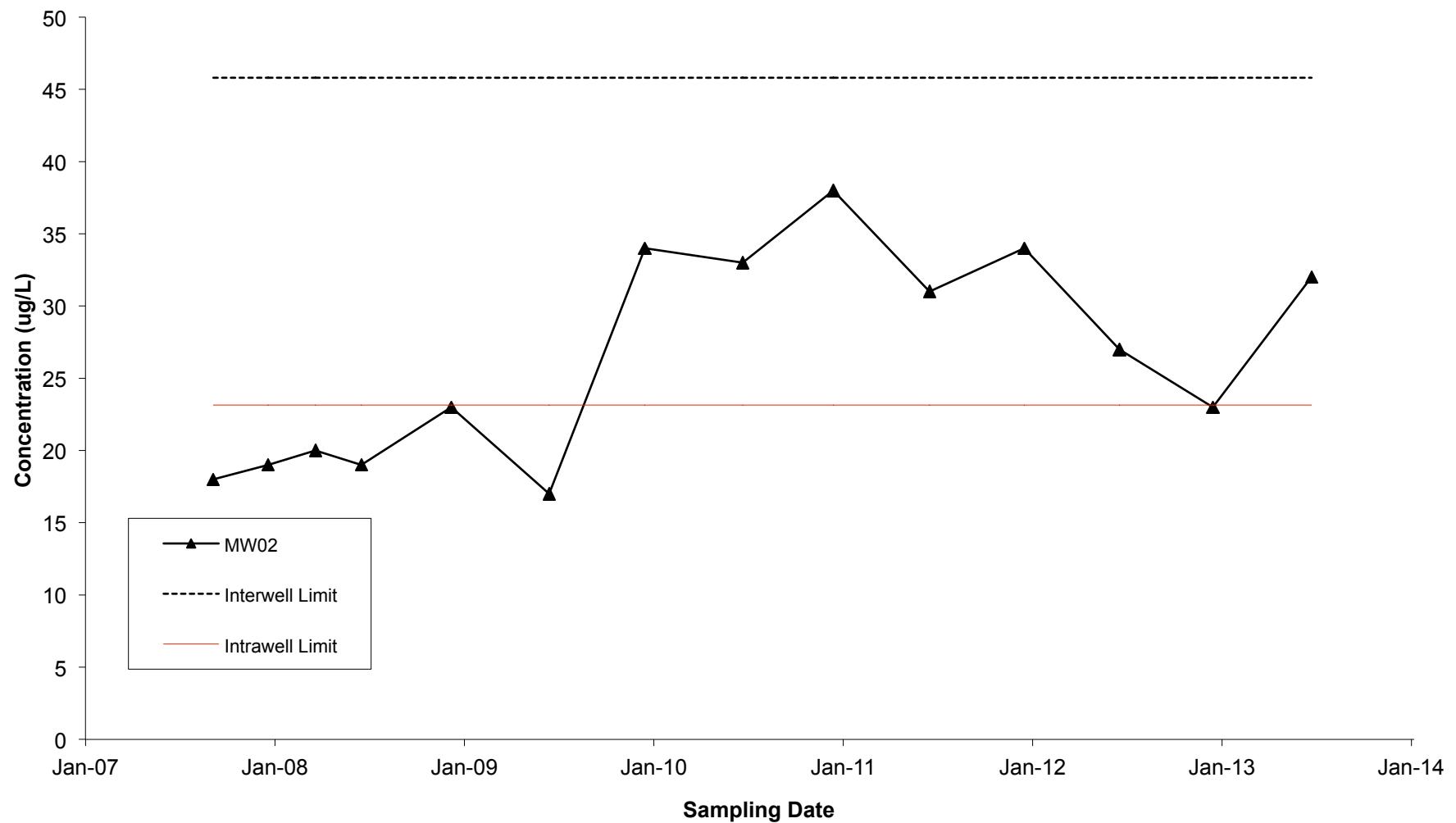
cis-1,2-Dichloroethene in Well MW02
IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



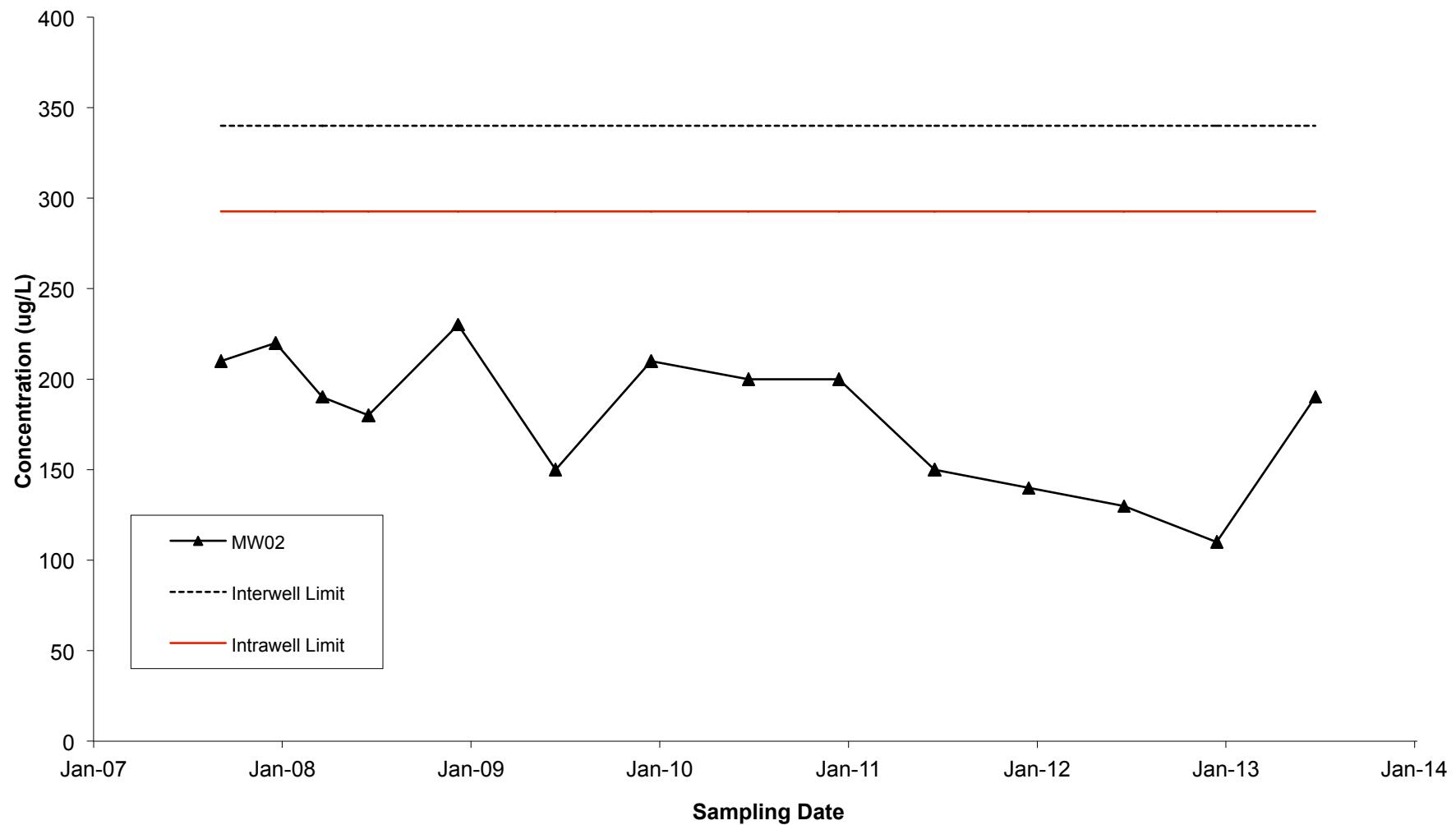
Tetrachloroethene in Well MW02
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



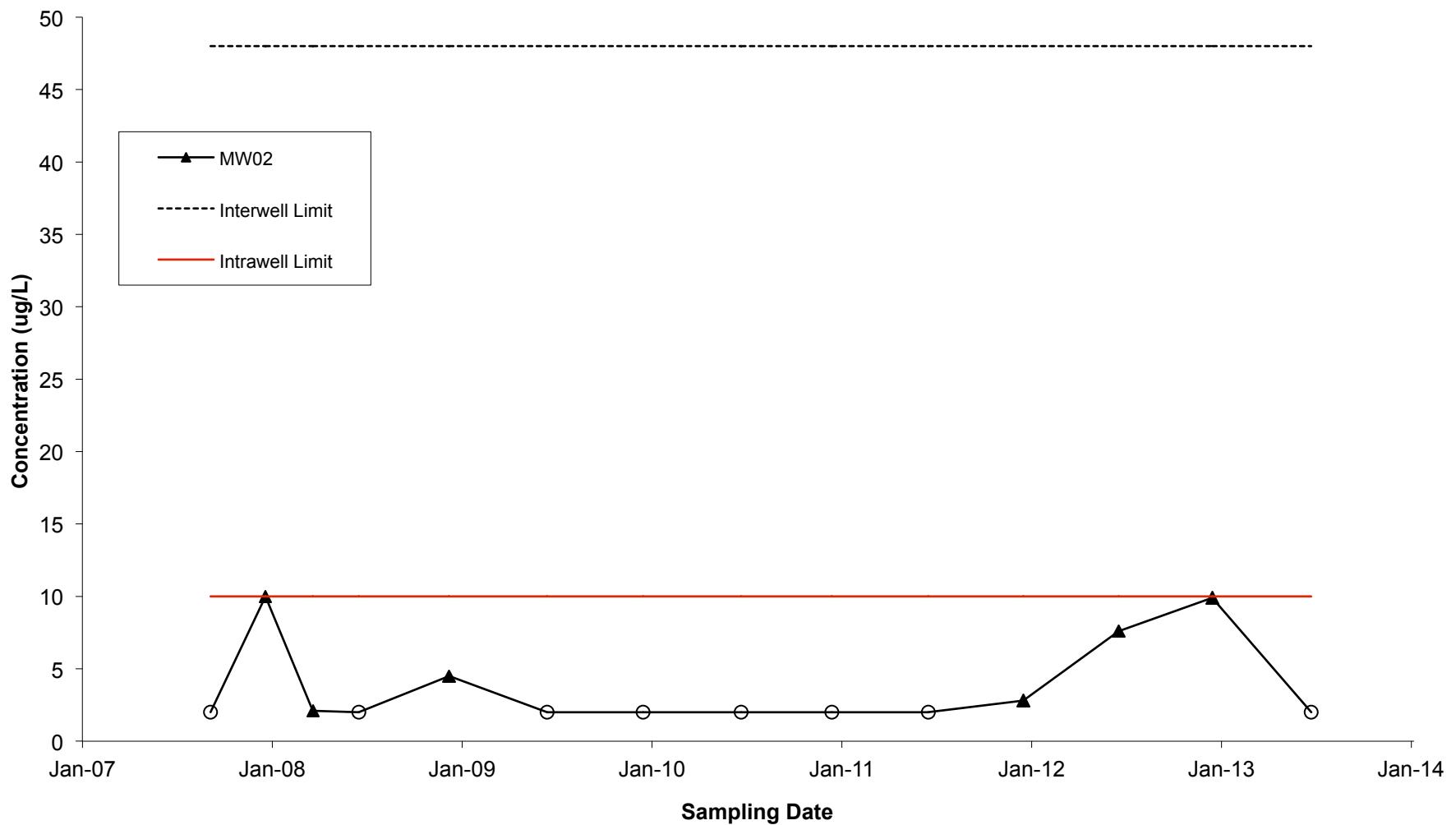
Trichloroethene in Well MW02
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW02 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.

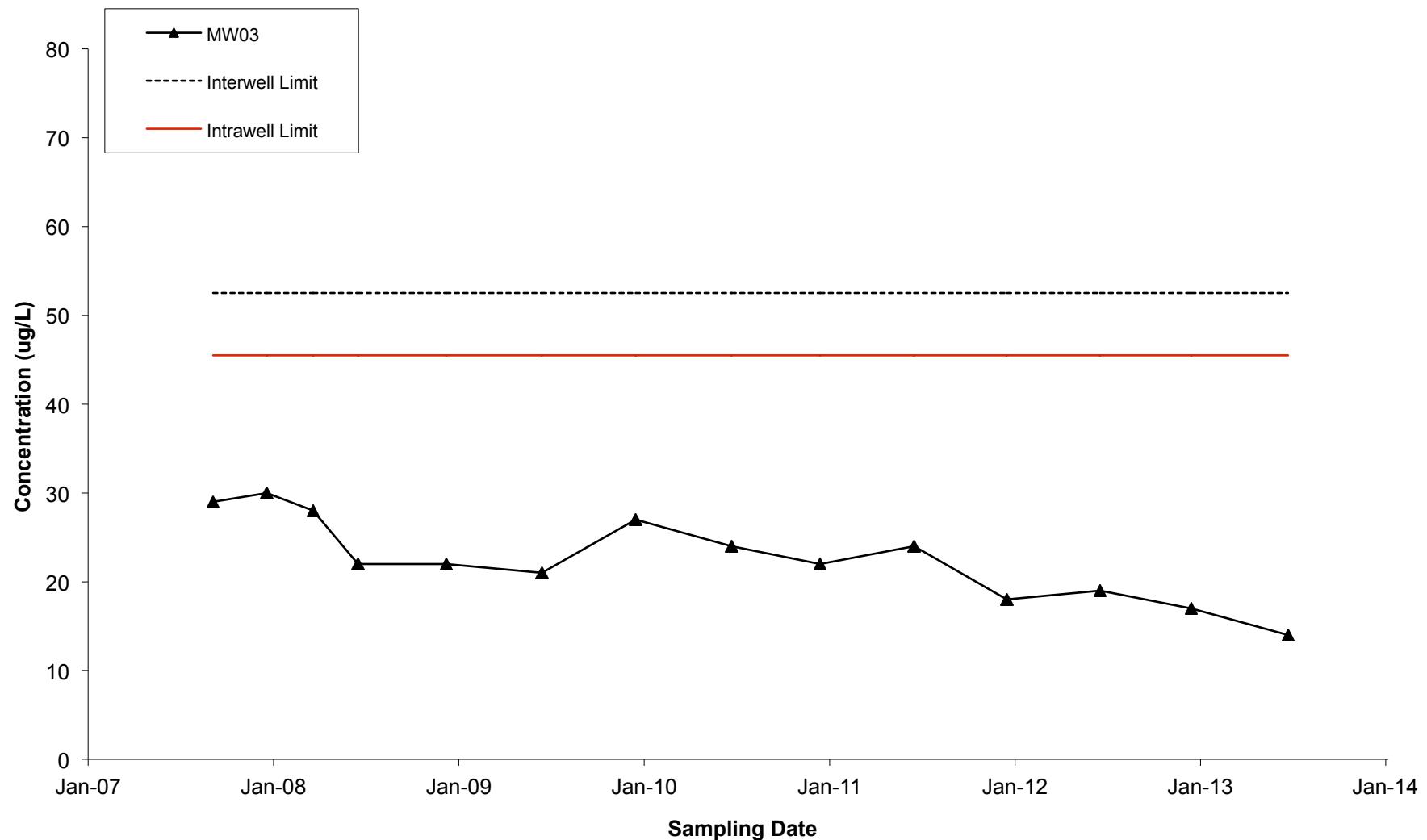


SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Sep-07	ug/L	27
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Dec-07	ug/L	20
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Mar-08	ug/L	23
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Jun-08	ug/L	20
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Dec-08	ug/L	21
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Jun-09	ug/L	15
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Dec-09	ug/L	25
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Jun-10	ug/L	22
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Dec-10	ug/L	21
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Jun-11	ug/L	21
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Dec-11	ug/L	14
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Jun-12	ug/L	15
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Dec-12	ug/L	10
IPC/Roto-Rooter	MW02	190494	1,1,1-Trichloroethane	Jun-13	ug/L	14
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Dec-07	ug/L	5.4
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Dec-08	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Dec-10	ug/L	5
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Jun-11	ug/L	5
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Dec-11	ug/L	5
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Jun-12	ug/L	5
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Dec-12	ug/L	5
IPC/Roto-Rooter	MW02	190504	1,1-Dichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Sep-07	ug/L	21
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Dec-07	ug/L	17
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Mar-08	ug/L	16
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Jun-08	ug/L	15
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Dec-08	ug/L	17
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Jun-09	ug/L	13
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Dec-09	ug/L	22
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Jun-10	ug/L	23
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Dec-10	ug/L	22
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Jun-11	ug/L	22
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Dec-11	ug/L	15
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Jun-12	ug/L	16
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Dec-12	ug/L	10
IPC/Roto-Rooter	MW02	190499	1,1-Dichloroethene	Jun-13	ug/L	12
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Sep-07	ug/L	75
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Dec-07	ug/L	69
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Mar-08	ug/L	56
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Jun-08	ug/L	44
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Dec-08	ug/L	52
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	37
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	92
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	58
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	56
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	59

IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	53
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	51
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	30
IPC/Roto-Rooter	MW02	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	30
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Sep-07	ug/L	18
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Dec-07	ug/L	19
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Mar-08	ug/L	20
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Jun-08	ug/L	19
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Dec-08	ug/L	23
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Jun-09	ug/L	17
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Dec-09	ug/L	34
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Jun-10	ug/L	33
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Dec-10	ug/L	38
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Jun-11	ug/L	31
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Dec-11	ug/L	34
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Jun-12	ug/L	27
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Dec-12	ug/L	23
IPC/Roto-Rooter	MW02	190525	Tetrachloroethene	Jun-13	ug/L	32
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Sep-07	ug/L	210
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Dec-07	ug/L	220
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Mar-08	ug/L	190
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Jun-08	ug/L	180
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Dec-08	ug/L	230
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Jun-09	ug/L	150
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Dec-09	ug/L	210
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Jun-10	ug/L	200
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Dec-10	ug/L	200
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Jun-11	ug/L	150
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Dec-11	ug/L	140
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Jun-12	ug/L	130
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Dec-12	ug/L	110
IPC/Roto-Rooter	MW02	185820	Trichloroethene	Jun-13	ug/L	190
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Sep-07	ug/L	2.0
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Dec-07	ug/L	10
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Mar-08	ug/L	2.1
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Jun-08	ug/L	2.0
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Dec-08	ug/L	4.5
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Jun-09	ug/L	2.0
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Dec-09	ug/L	2.0
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Jun-10	ug/L	2.0
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Dec-10	ug/L	2
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Jun-11	ug/L	2
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Dec-11	ug/L	2.8
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Jun-12	ug/L	7.6
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Dec-12	ug/L	9.9
IPC/Roto-Rooter	MW02	185825	Vinyl Chloride	Jun-13	ug/L	2

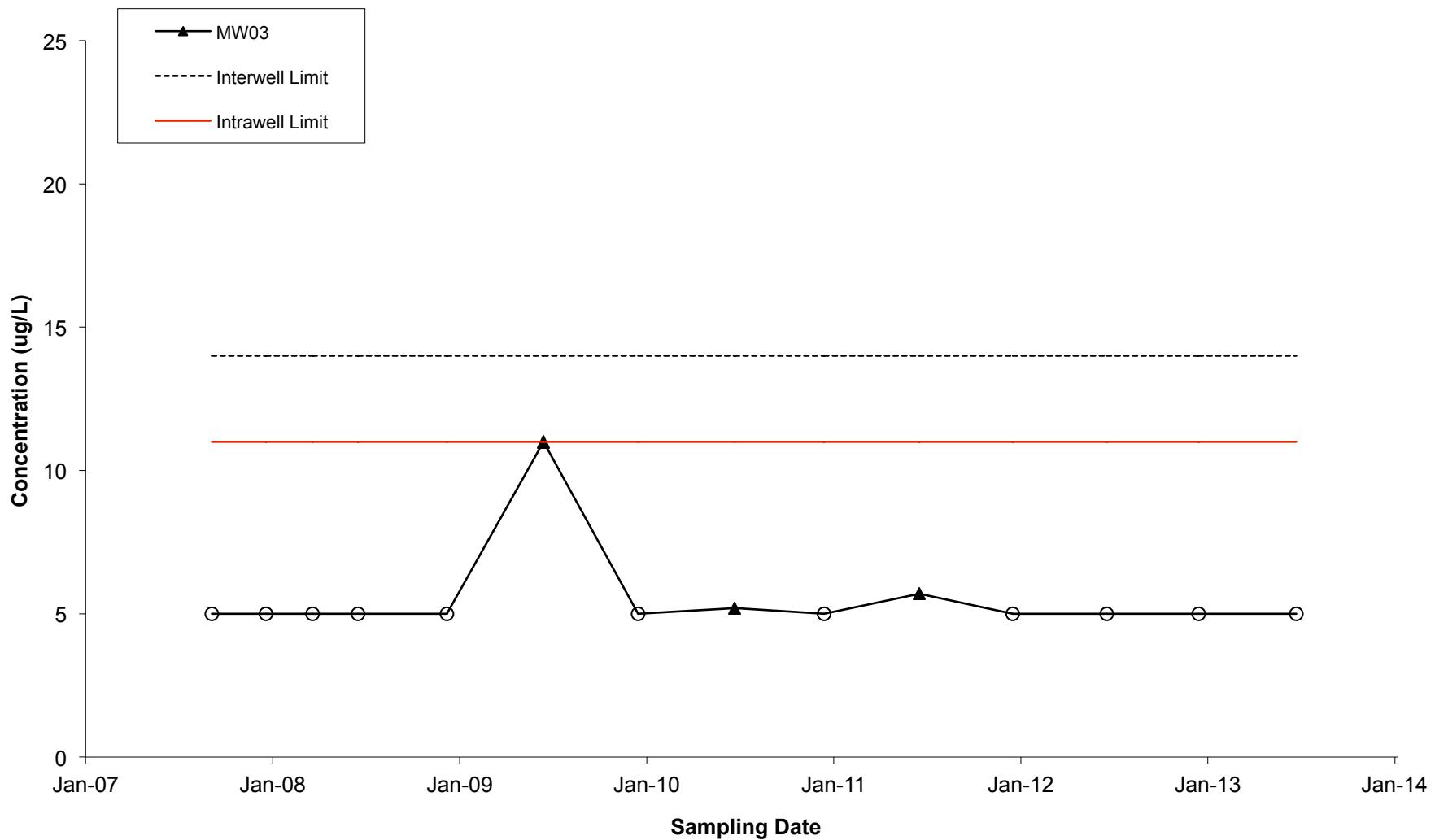
1,1,1-Trichloroethane in Well MW03
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



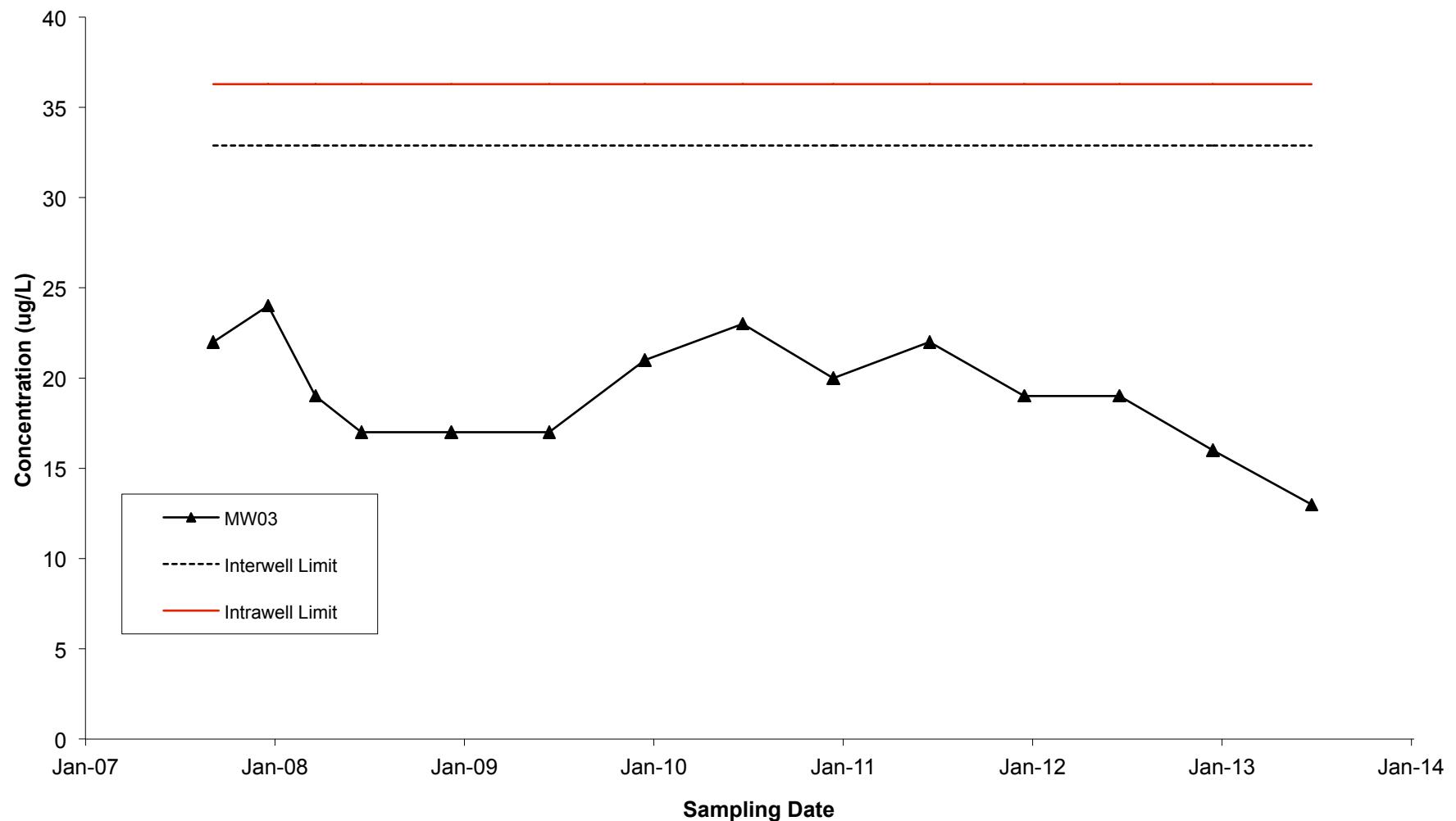
1,1-Dichloroethane in Well MW03 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



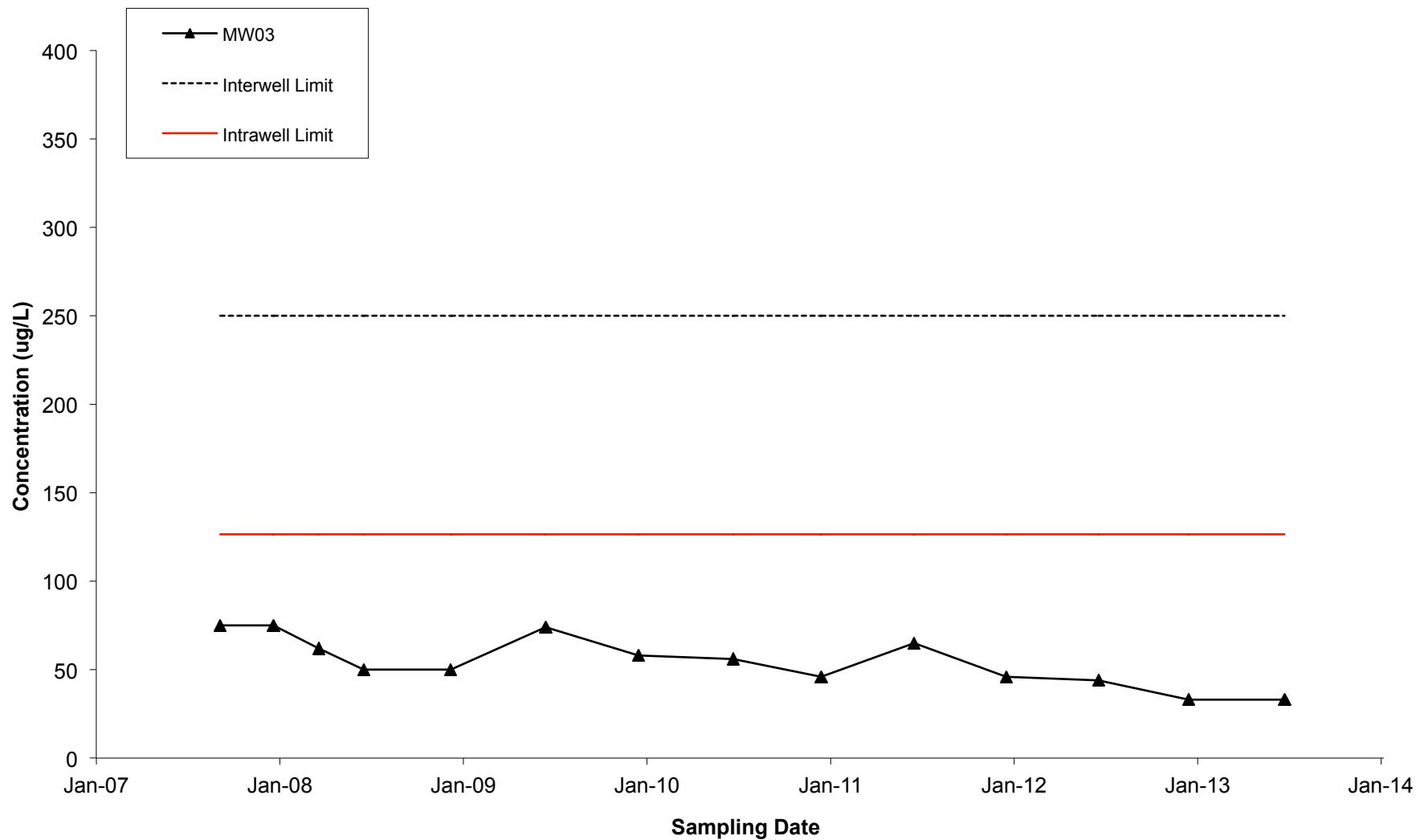
1,1-Dichloroethene in Well MW03
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



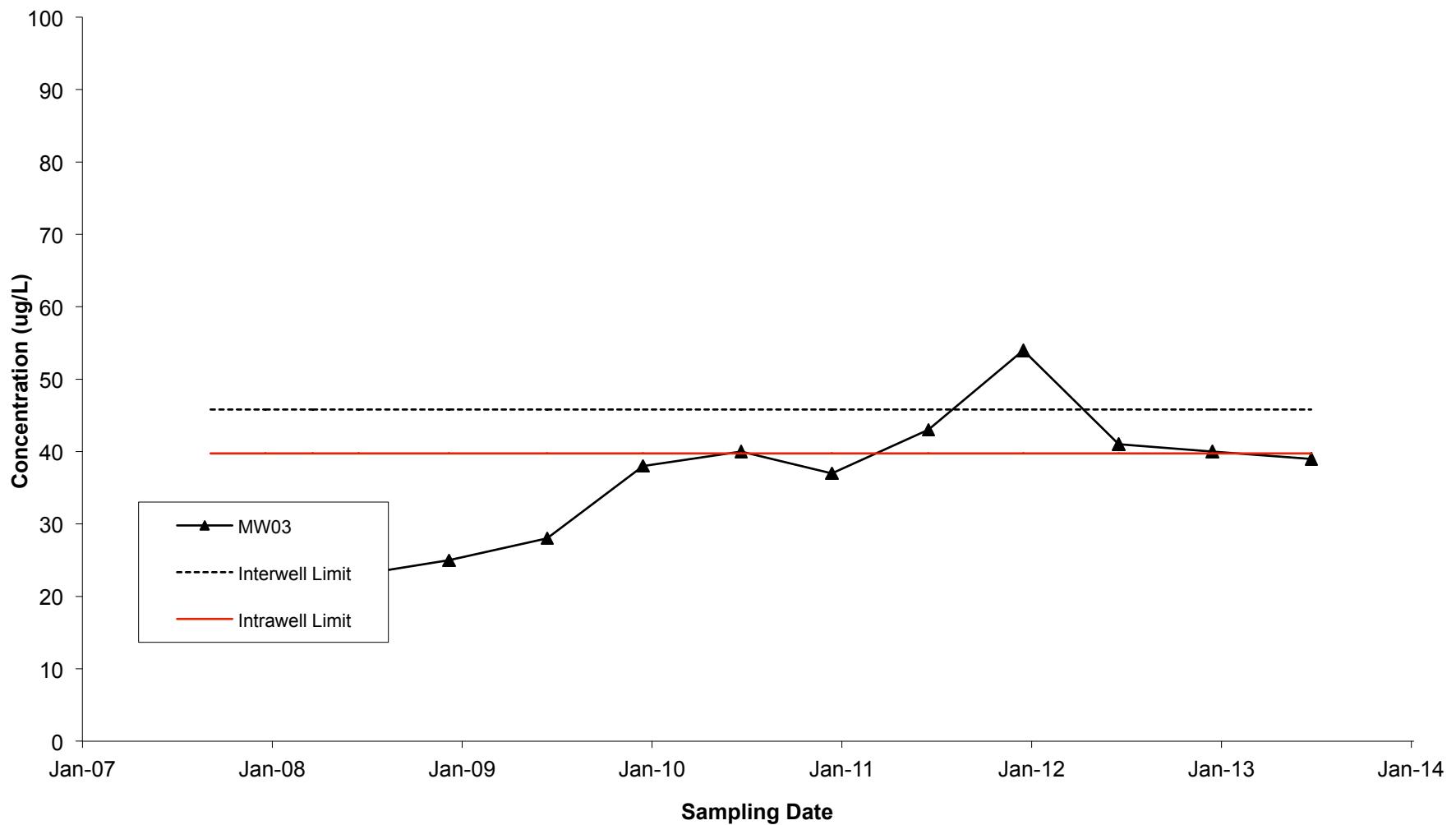
cis-1,2-Dichloroethene in Well MW03
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



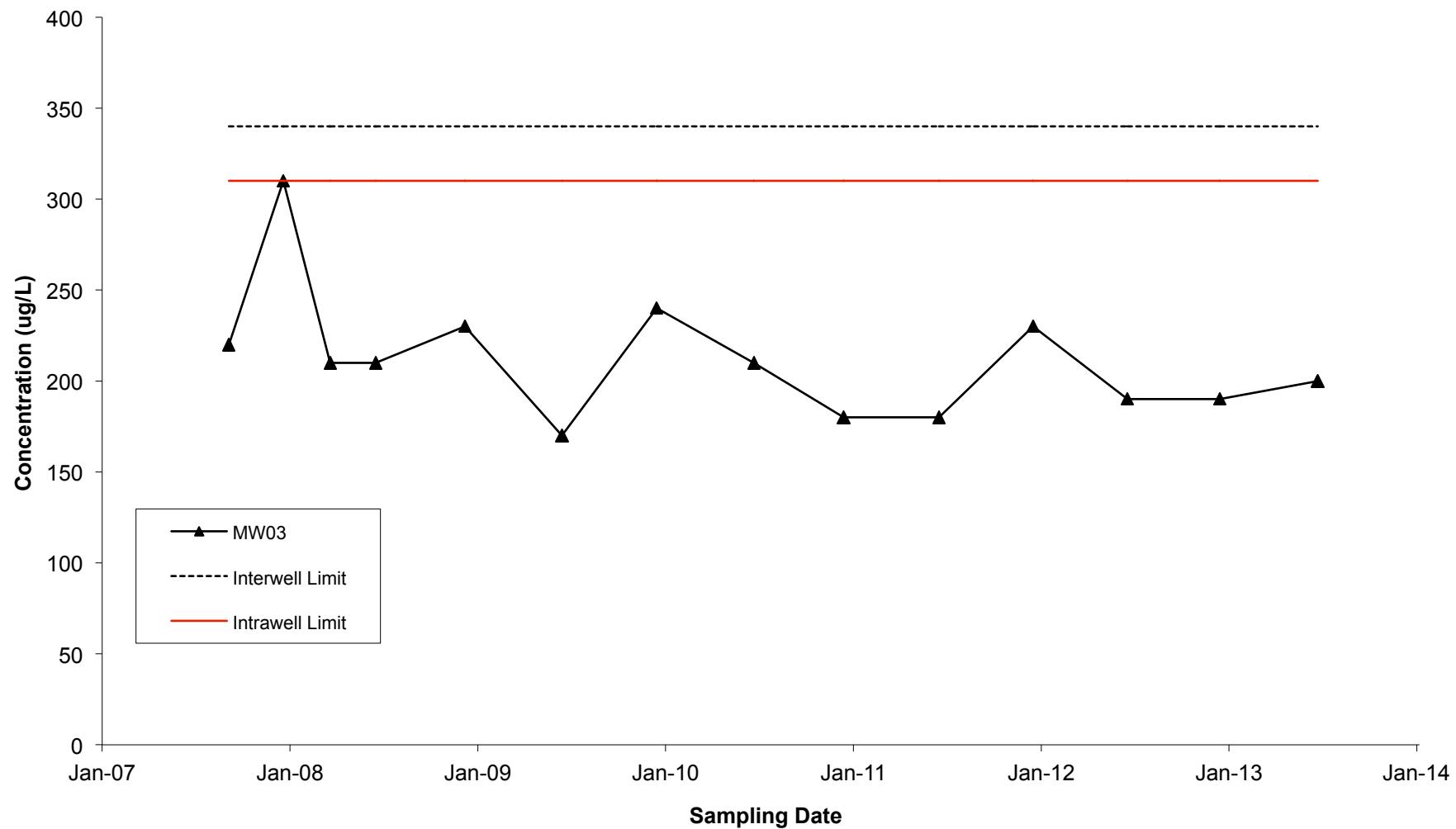
Tetrachloroethene in Well MW03
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



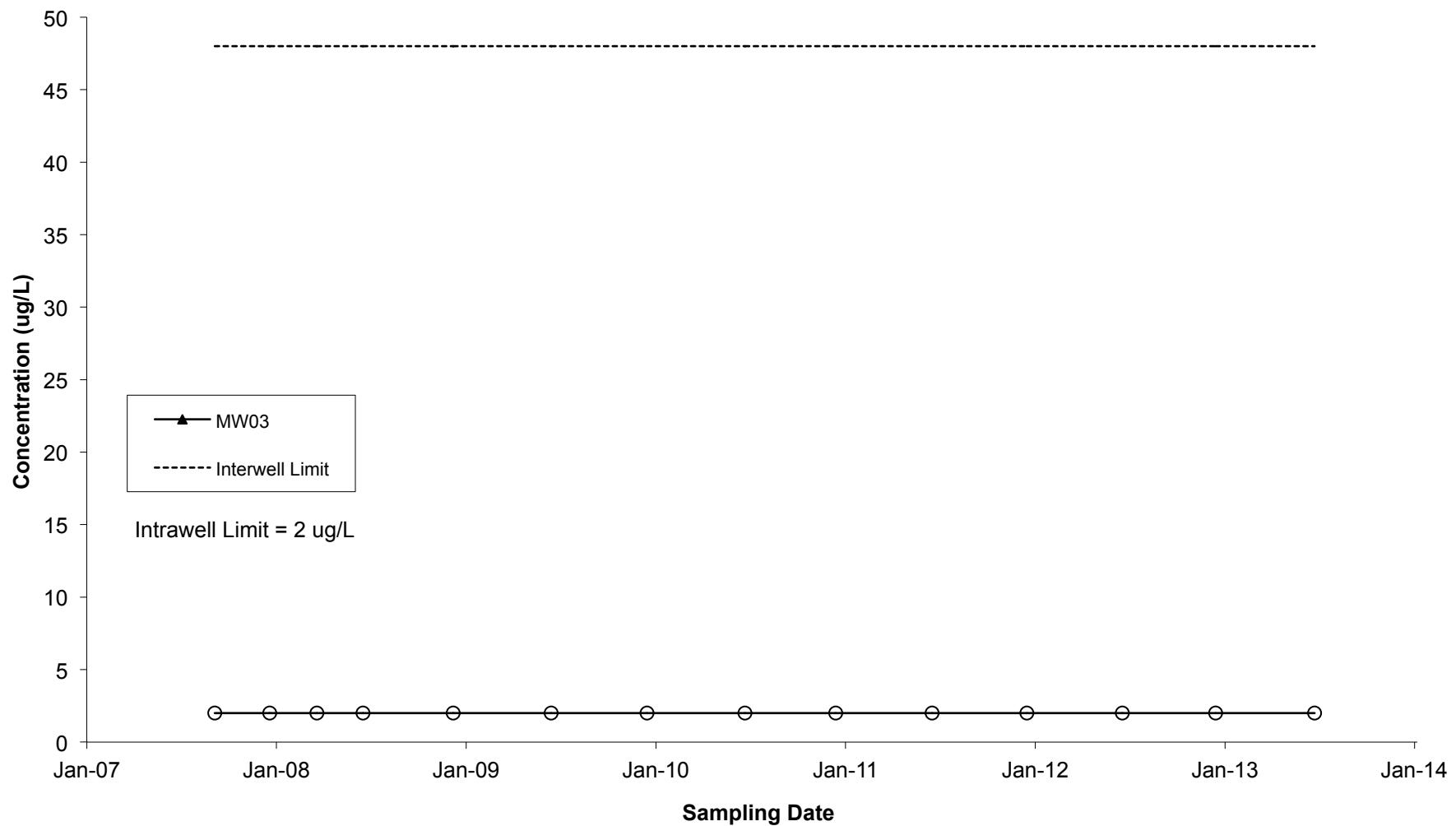
Trichloroethene in Well MW03
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW03
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.

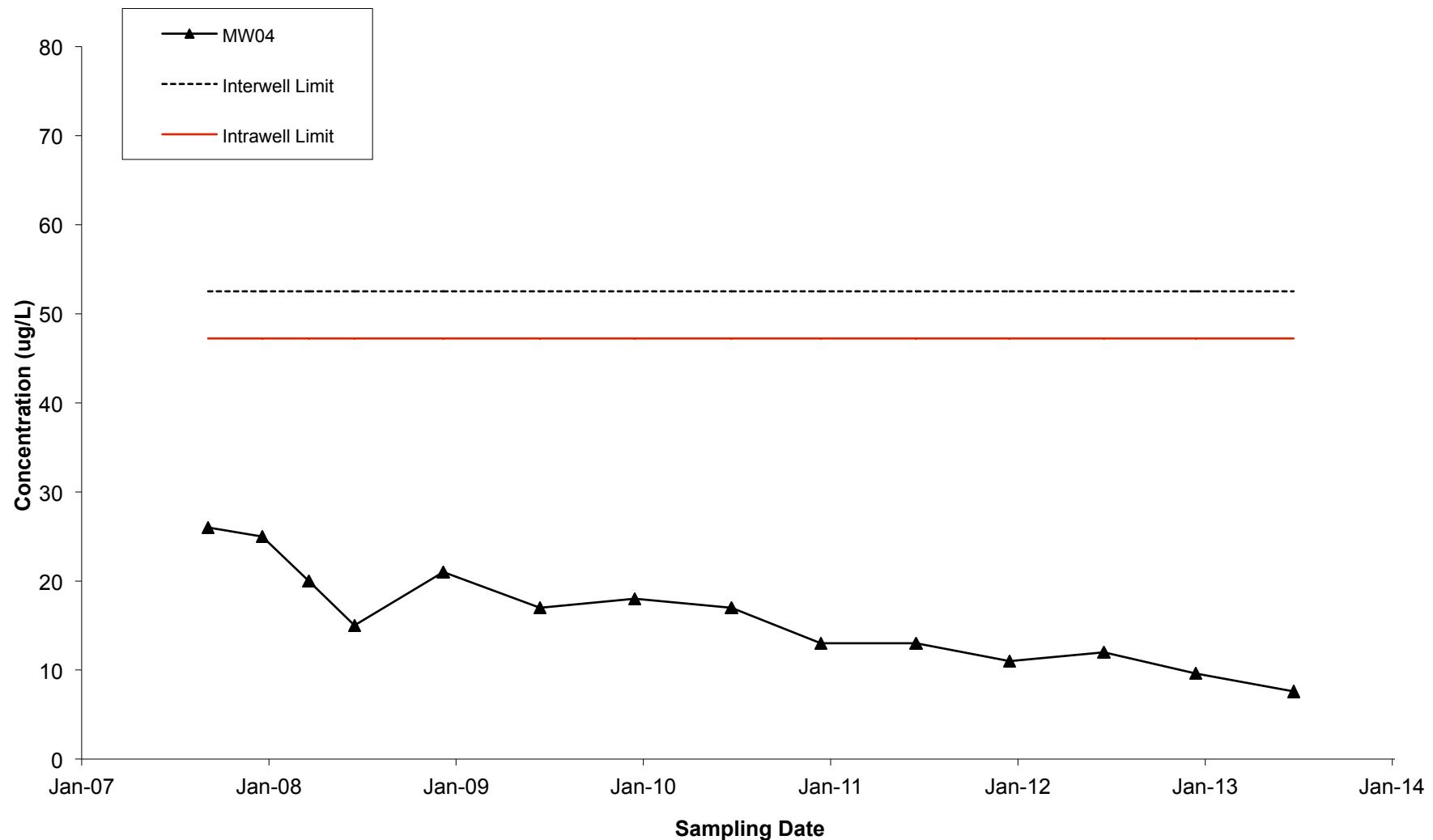


SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Sep-07	ug/L	29
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Dec-07	ug/L	30
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Mar-08	ug/L	28
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Jun-08	ug/L	22
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Dec-08	ug/L	22
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Jun-09	ug/L	21
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Dec-09	ug/L	27
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Jun-10	ug/L	24
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Dec-10	ug/L	22
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Jun-11	ug/L	24
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Dec-11	ug/L	18
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Jun-12	ug/L	19
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Dec-12	ug/L	17
IPC/Roto-Rooter	MW03	190494	1,1,1-Trichloroethane	Jun-13	ug/L	14
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Dec-07	ug/L	5.0
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Dec-08	ug/L	5.0
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Jun-09	ug/L	11
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Jun-10	ug/L	5.2
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Dec-10	ug/L	5
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Jun-11	ug/L	5.7
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Dec-11	ug/L	5
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Jun-12	ug/L	5
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Dec-12	ug/L	5
IPC/Roto-Rooter	MW03	190504	1,1-Dichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Sep-07	ug/L	22
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Dec-07	ug/L	24
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Mar-08	ug/L	19
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Jun-08	ug/L	17
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Dec-08	ug/L	17
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Jun-09	ug/L	17
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Dec-09	ug/L	21
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Jun-10	ug/L	23
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Dec-10	ug/L	20
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Jun-11	ug/L	22
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Dec-11	ug/L	19
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Jun-12	ug/L	19
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Dec-12	ug/L	16
IPC/Roto-Rooter	MW03	190499	1,1-Dichloroethene	Jun-13	ug/L	13
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Sep-07	ug/L	75
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Dec-07	ug/L	75
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Mar-08	ug/L	62
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Jun-08	ug/L	50
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Dec-08	ug/L	50
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	74
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	58
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	56
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	46
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	65

IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	46
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	44
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	33
IPC/Roto-Rooter	MW03	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	33
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Sep-07	ug/L	24
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Dec-07	ug/L	29
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Mar-08	ug/L	27
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Jun-08	ug/L	23
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Dec-08	ug/L	25
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Jun-09	ug/L	28
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Dec-09	ug/L	38
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Jun-10	ug/L	40
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Dec-10	ug/L	37
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Jun-11	ug/L	43
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Dec-11	ug/L	54
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Jun-12	ug/L	41
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Dec-12	ug/L	40
IPC/Roto-Rooter	MW03	190525	Tetrachloroethene	Jun-13	ug/L	39
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Sep-07	ug/L	220
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Dec-07	ug/L	310
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Mar-08	ug/L	210
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Jun-08	ug/L	210
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Dec-08	ug/L	230
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Jun-09	ug/L	170
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Dec-09	ug/L	240
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Jun-10	ug/L	210
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Dec-10	ug/L	180
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Jun-11	ug/L	180
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Dec-11	ug/L	230
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Jun-12	ug/L	190
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Dec-12	ug/L	190
IPC/Roto-Rooter	MW03	185820	Trichloroethene	Jun-13	ug/L	200
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Sep-07	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Dec-07	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Mar-08	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Jun-08	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Dec-08	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Jun-09	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Dec-09	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Jun-10	ug/L	2.0
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Dec-10	ug/L	2
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Jun-11	ug/L	2
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Dec-11	ug/L	2
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Jun-12	ug/L	2
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Dec-12	ug/L	2
IPC/Roto-Rooter	MW03	185825	Vinyl Chloride	Jun-13	ug/L	2

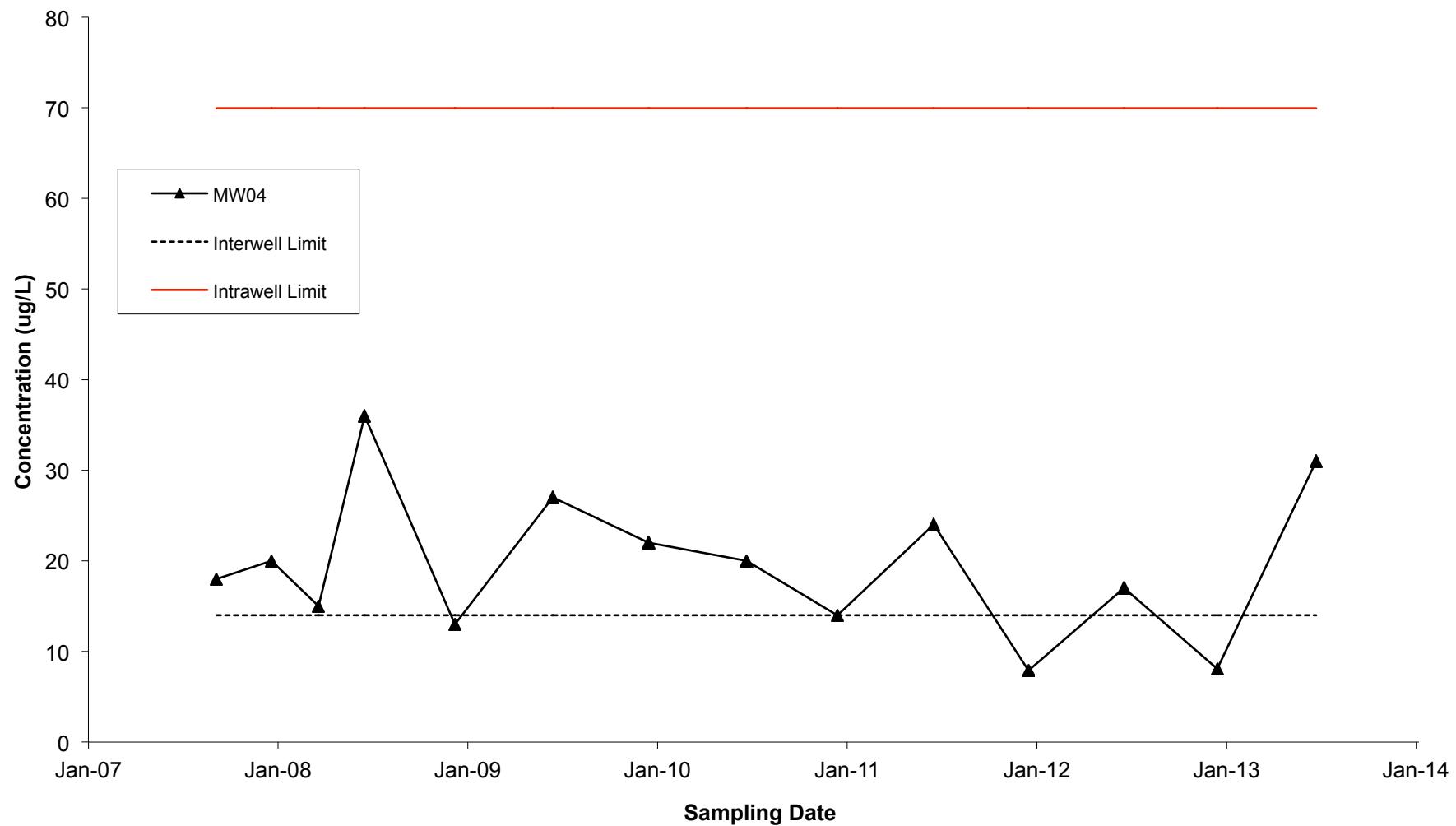
1,1,1-Trichloroethane in Well MW04
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



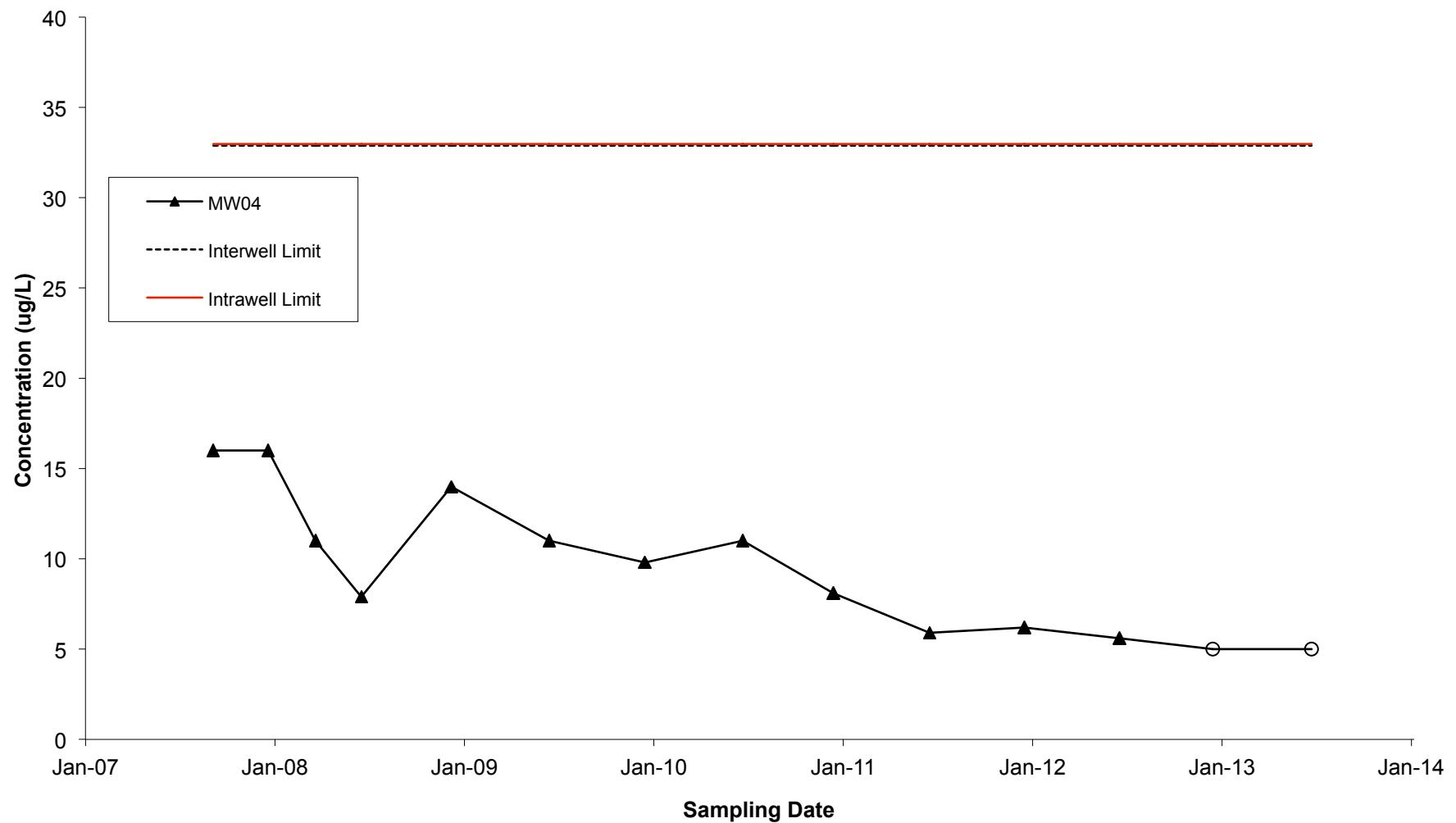
1,1-Dichloroethane in Well MW04
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



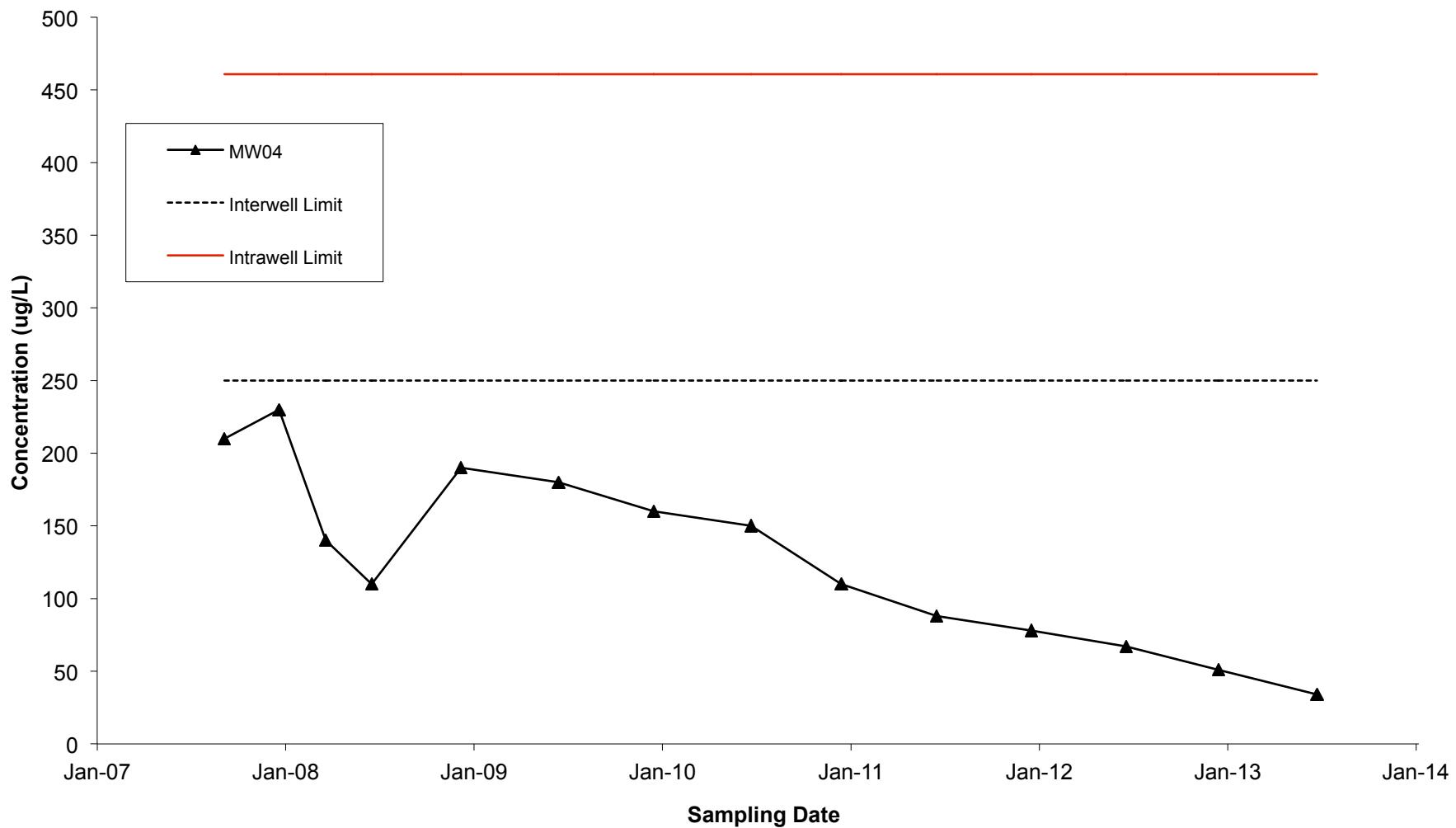
1,1-Dichloroethene in Well MW04
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



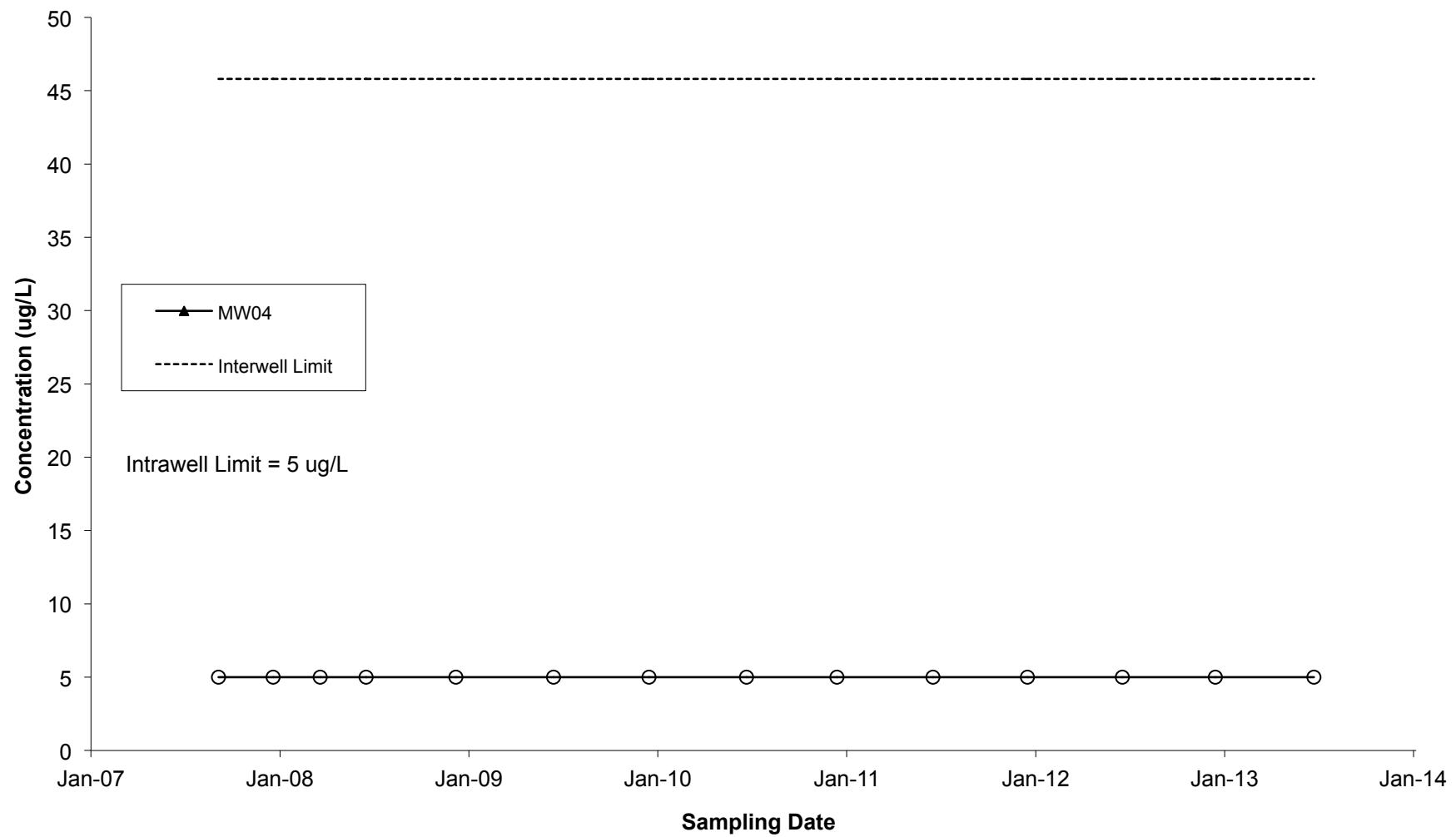
cis-1,2-Dichloroethene in Well MW04
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



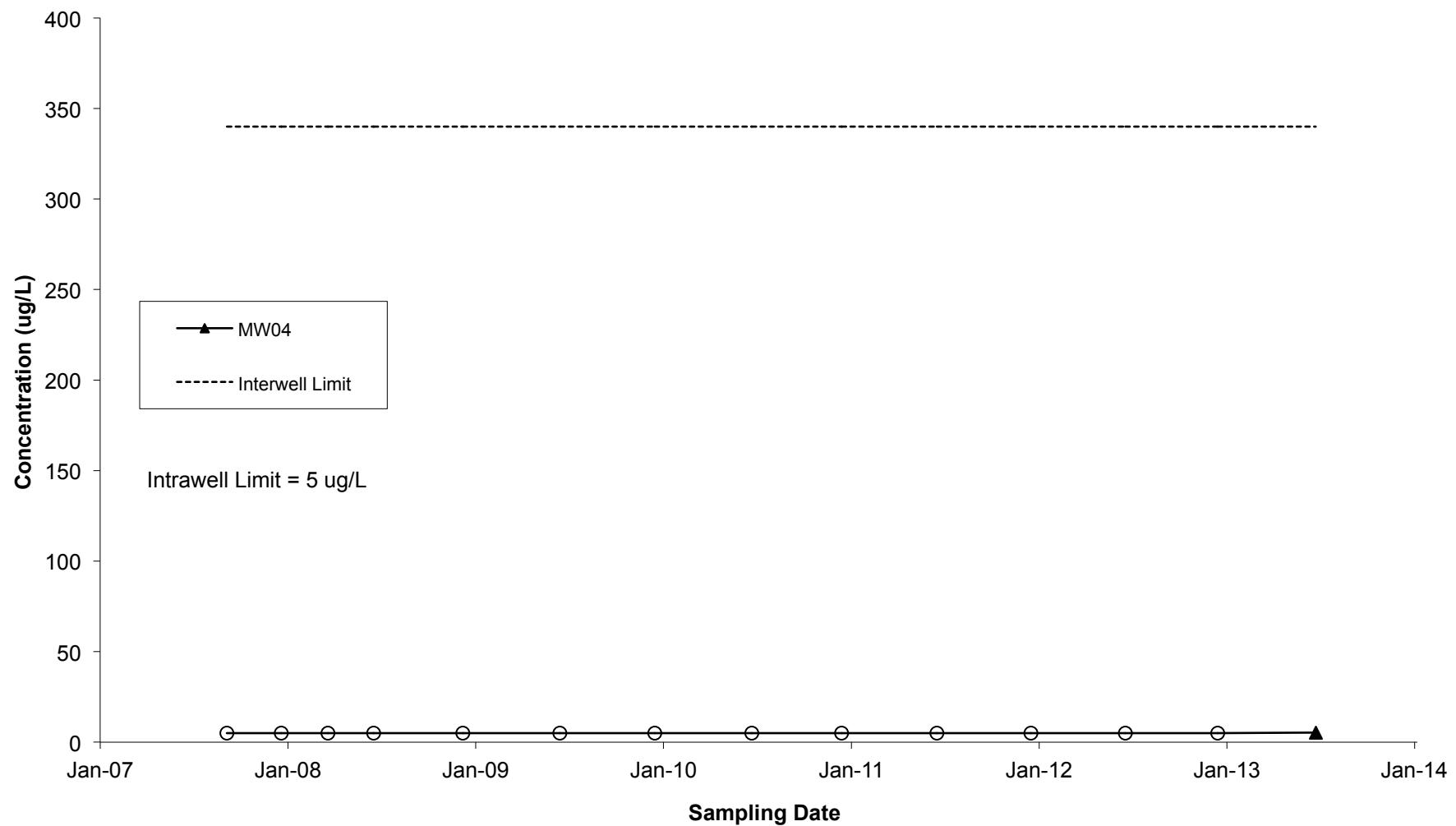
Tetrachloroethene in Well MW04
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



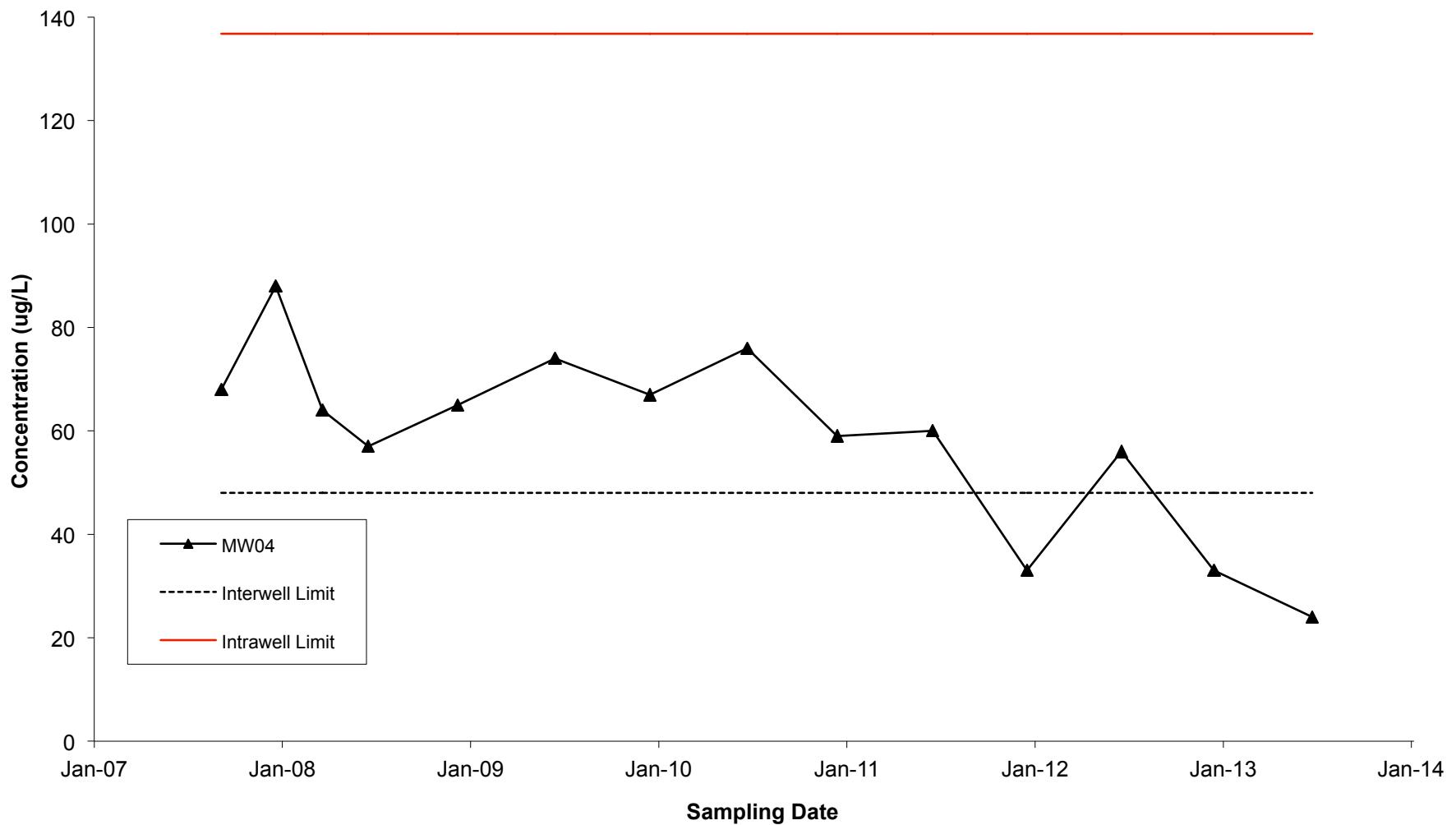
Trichloroethene in Well MW04
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW04 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.

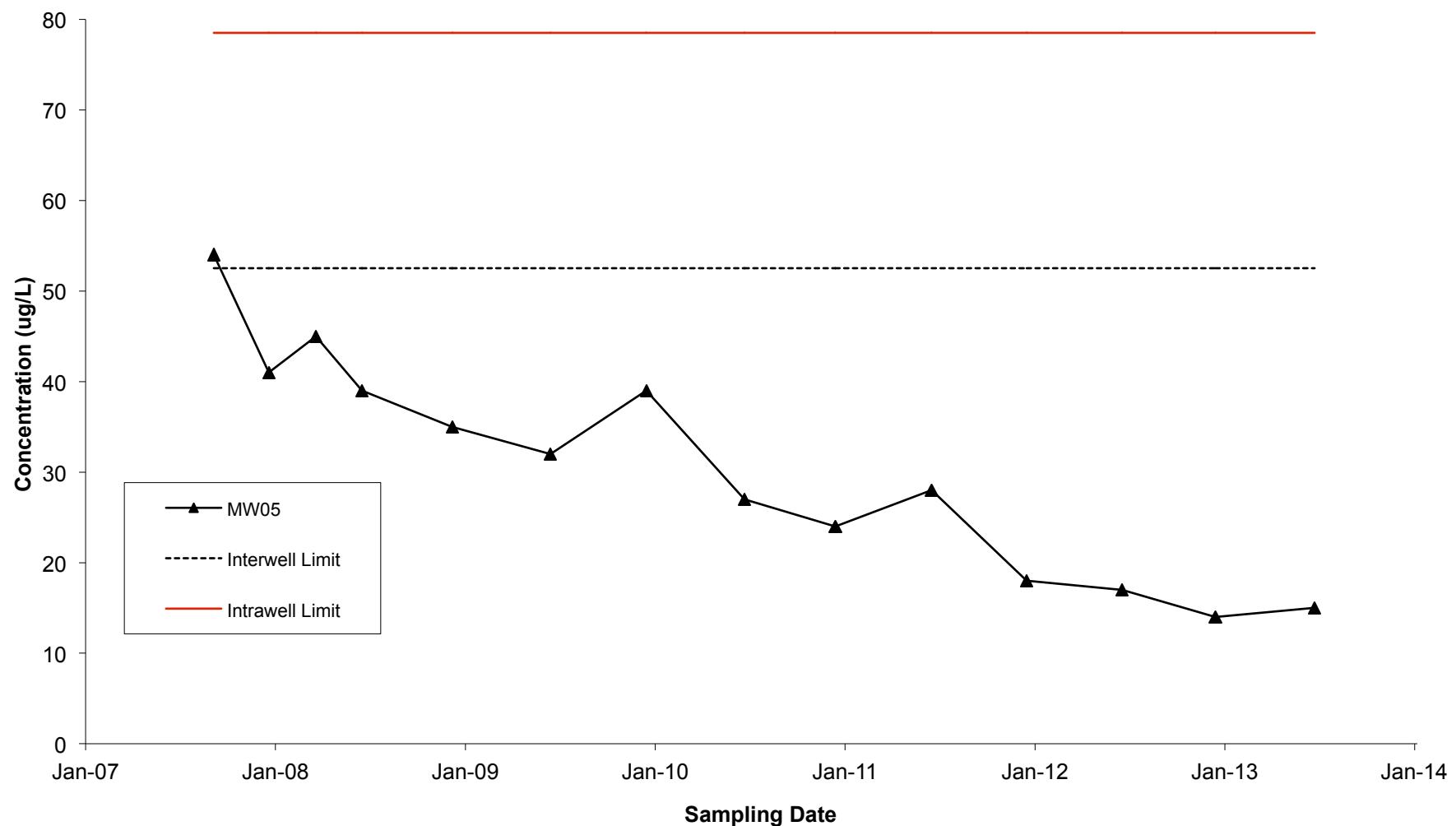


SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Sep-07	ug/L	26
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Dec-07	ug/L	25
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Mar-08	ug/L	20
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Jun-08	ug/L	15
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Dec-08	ug/L	21
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Jun-09	ug/L	17
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Dec-09	ug/L	18
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Jun-10	ug/L	17
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Dec-10	ug/L	13
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Jun-11	ug/L	13
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Dec-11	ug/L	11
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Jun-12	ug/L	12
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Dec-12	ug/L	9.6
IPC/Roto-Rooter	MW04	190494	1,1,1-Trichloroethane	Jun-13	ug/L	7.6
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Sep-07	ug/L	18
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Dec-07	ug/L	20
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Mar-08	ug/L	15
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Jun-08	ug/L	36
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Dec-08	ug/L	13
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Jun-09	ug/L	27
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Dec-09	ug/L	22
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Jun-10	ug/L	20
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Dec-10	ug/L	14
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Jun-11	ug/L	24
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Dec-11	ug/L	7.9
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Jun-12	ug/L	17
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Dec-12	ug/L	8.1
IPC/Roto-Rooter	MW04	190504	1,1-Dichloroethane	Jun-13	ug/L	31
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Sep-07	ug/L	16
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Dec-07	ug/L	16
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Mar-08	ug/L	11
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Jun-08	ug/L	7.9
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Dec-08	ug/L	14
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Jun-09	ug/L	11
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Dec-09	ug/L	9.8
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Jun-10	ug/L	11
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Dec-10	ug/L	8.1
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Jun-11	ug/L	5.9
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Dec-11	ug/L	6.2
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Jun-12	ug/L	5.6
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW04	190499	1,1-Dichloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Sep-07	ug/L	210
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Dec-07	ug/L	230
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Mar-08	ug/L	140
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Jun-08	ug/L	110
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Dec-08	ug/L	190
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	180
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	160
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	150
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	110
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	88

IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	78
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	67
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	51
IPC/Roto-Rooter	MW04	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	34
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Dec-07	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Dec-08	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Dec-11	ug/L	5
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW04	190525	Tetrachloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Dec-07	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Dec-08	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Dec-11	ug/L	5
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW04	185820	Trichloroethene	Jun-13	ug/L	5.3
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Sep-07	ug/L	68
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Dec-07	ug/L	88
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Mar-08	ug/L	64
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Jun-08	ug/L	57
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Dec-08	ug/L	65
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Jun-09	ug/L	74
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Dec-09	ug/L	67
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Jun-10	ug/L	76
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Dec-10	ug/L	59
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Jun-11	ug/L	60
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Dec-11	ug/L	33
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Jun-12	ug/L	56
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Dec-12	ug/L	33
IPC/Roto-Rooter	MW04	185825	Vinyl Chloride	Jun-13	ug/L	24

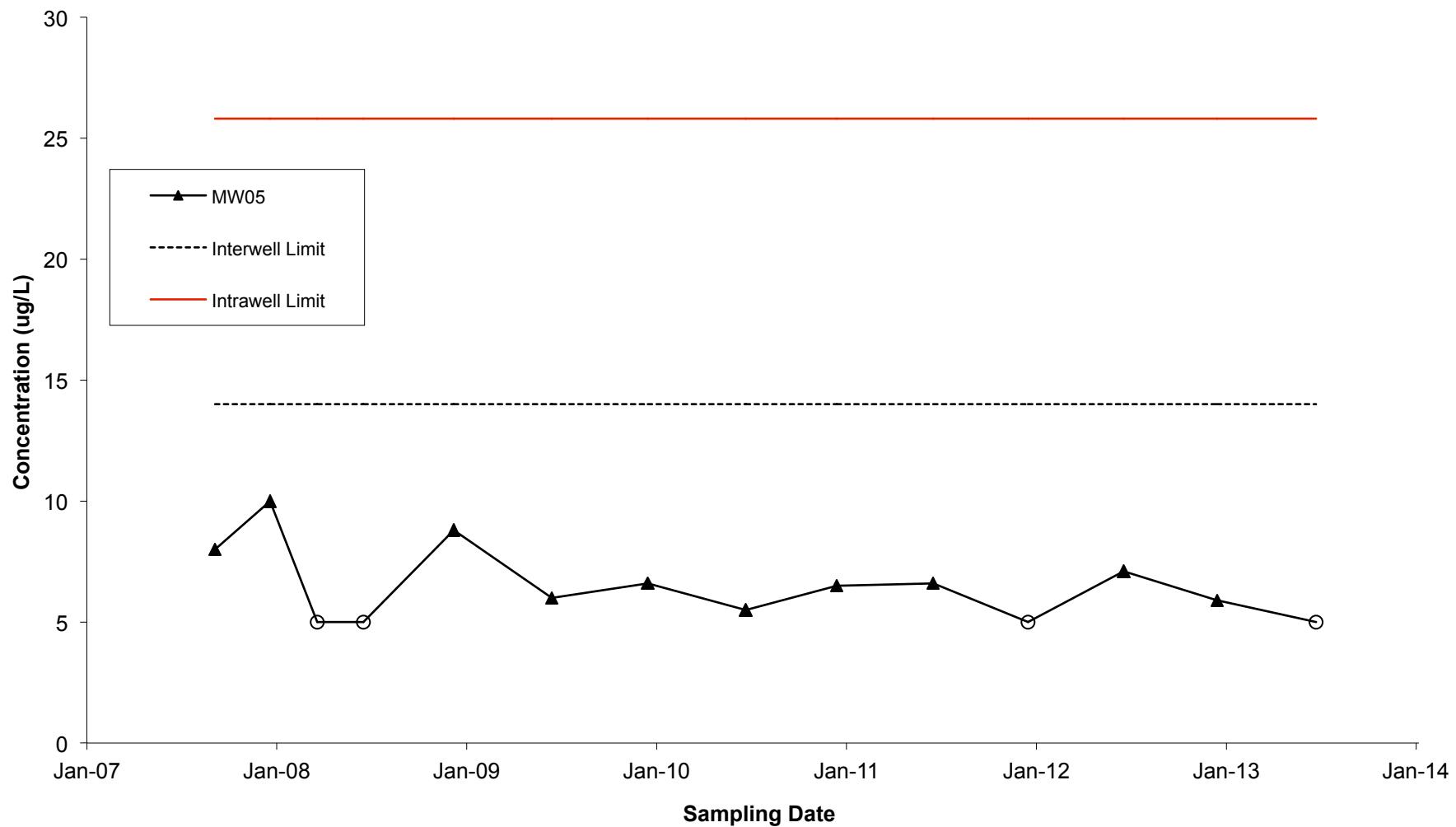
**1,1,1-Trichloroethane in Well MW05
IPC/Roto-Rooter Landfill**

Note: Non-detects are marked with a clear circle.



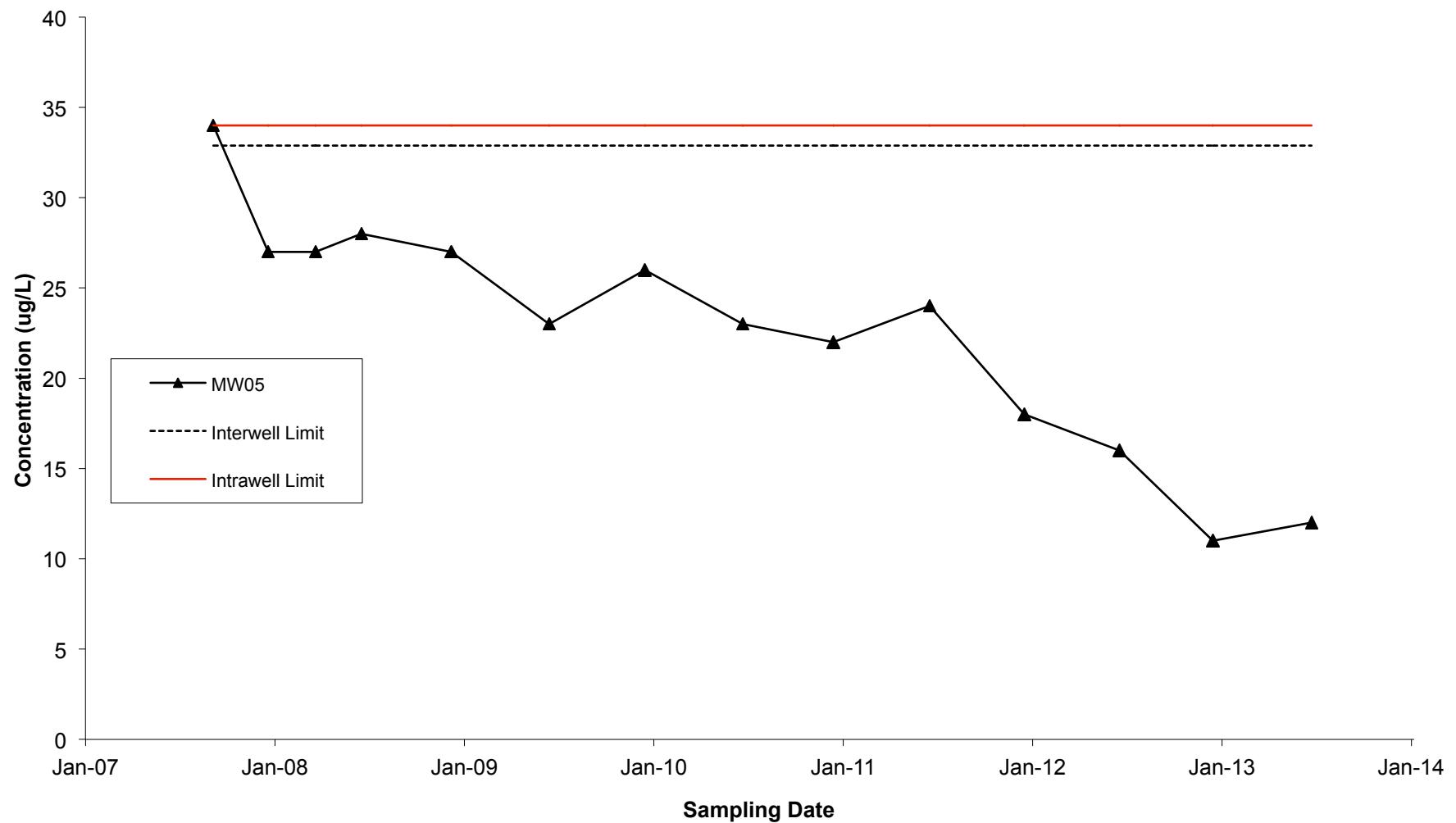
1,1-Dichloroethane in Well MW05
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



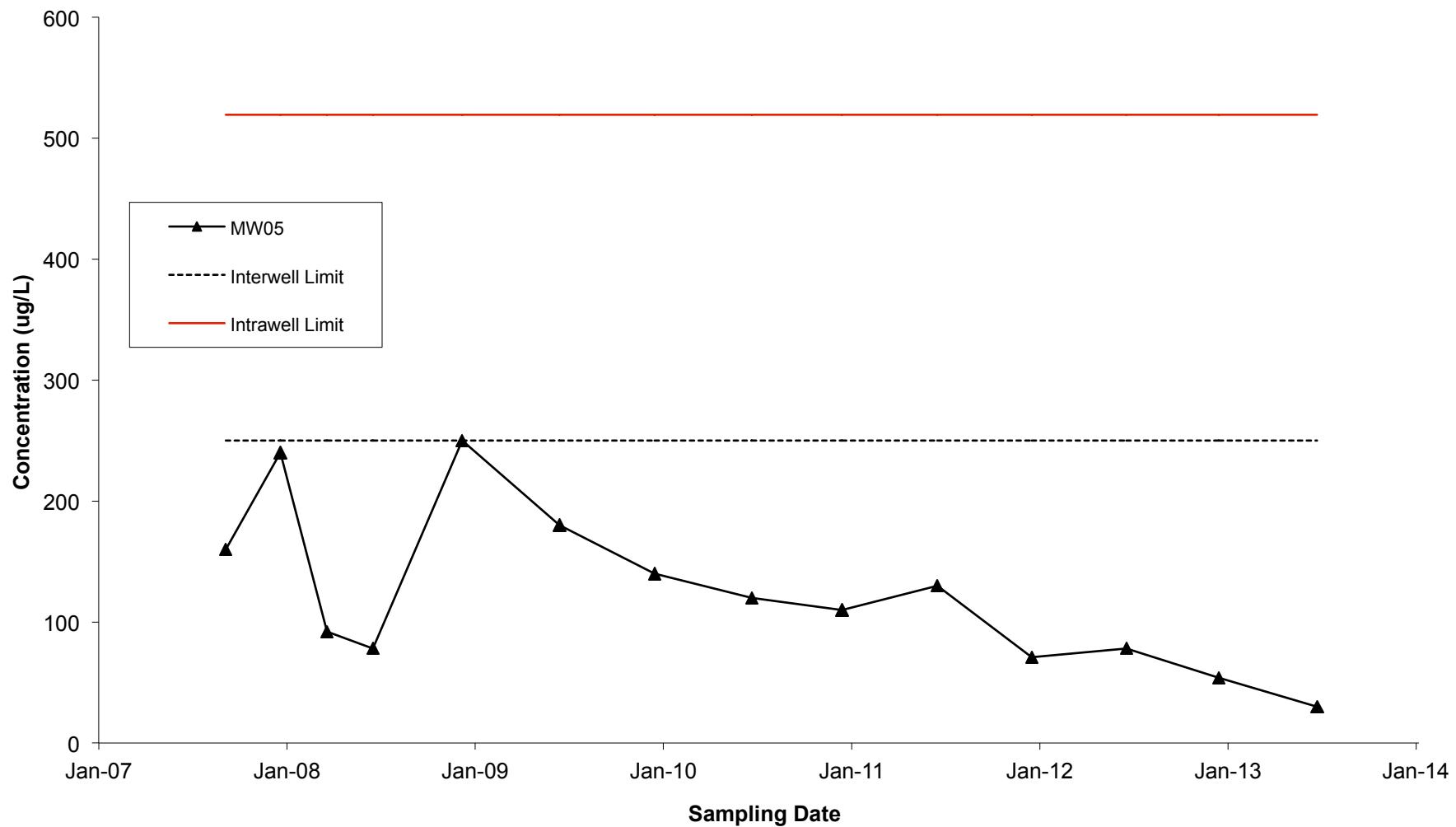
1,1-Dichloroethene in Well MW05
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



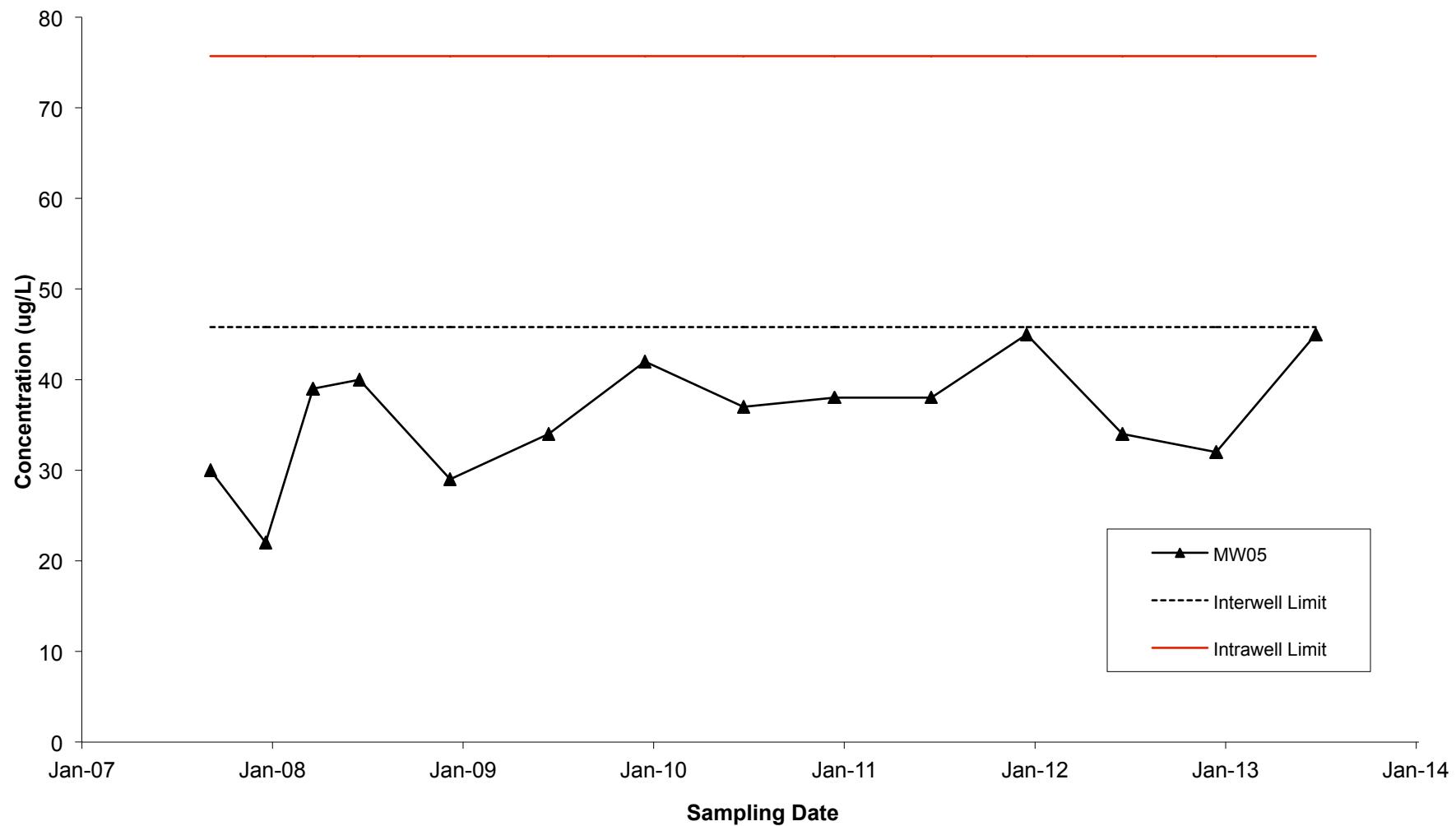
cis-1,2-Dichloroethene in Well MW05
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



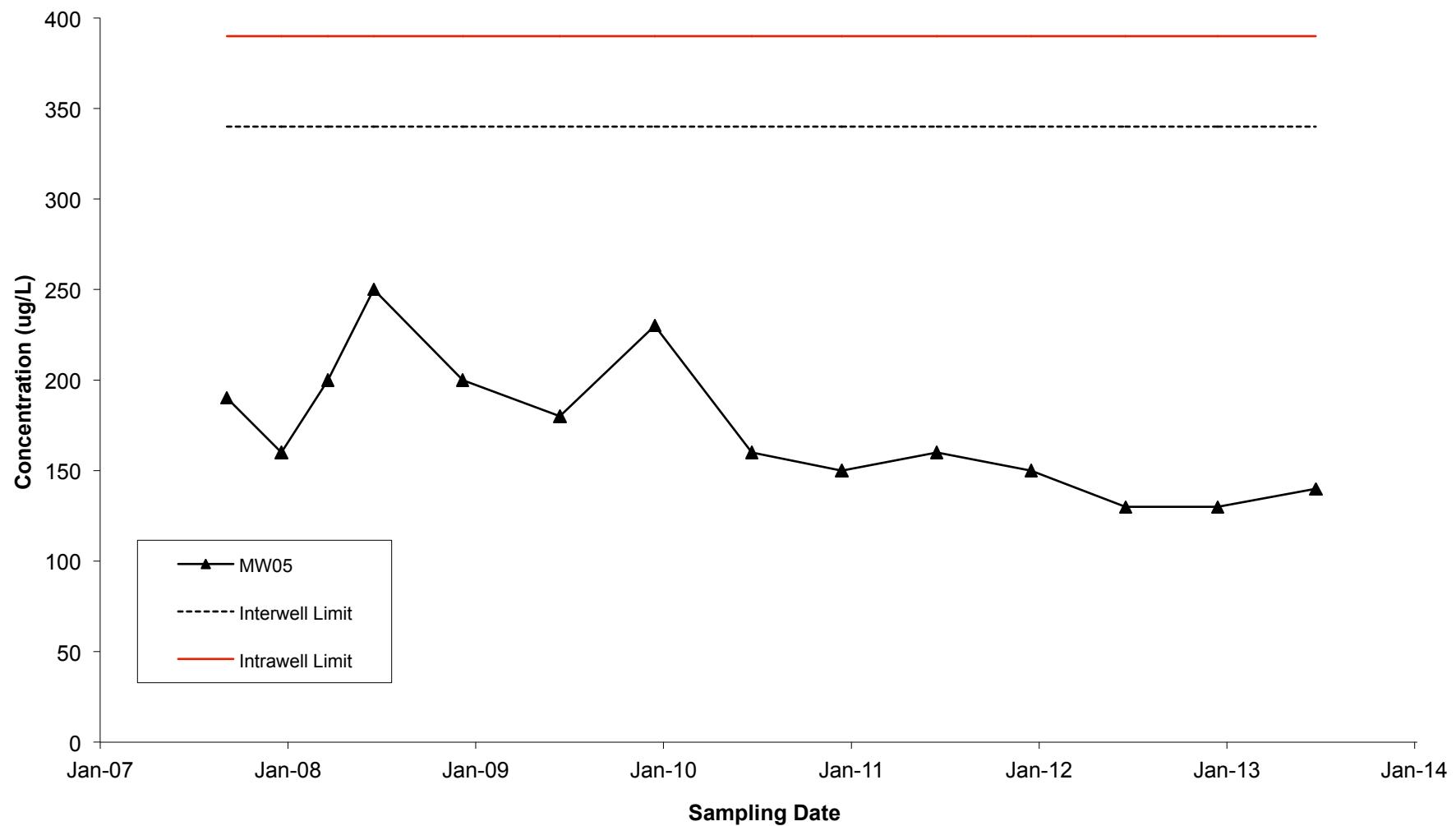
Tetrachloroethene in Well MW05
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



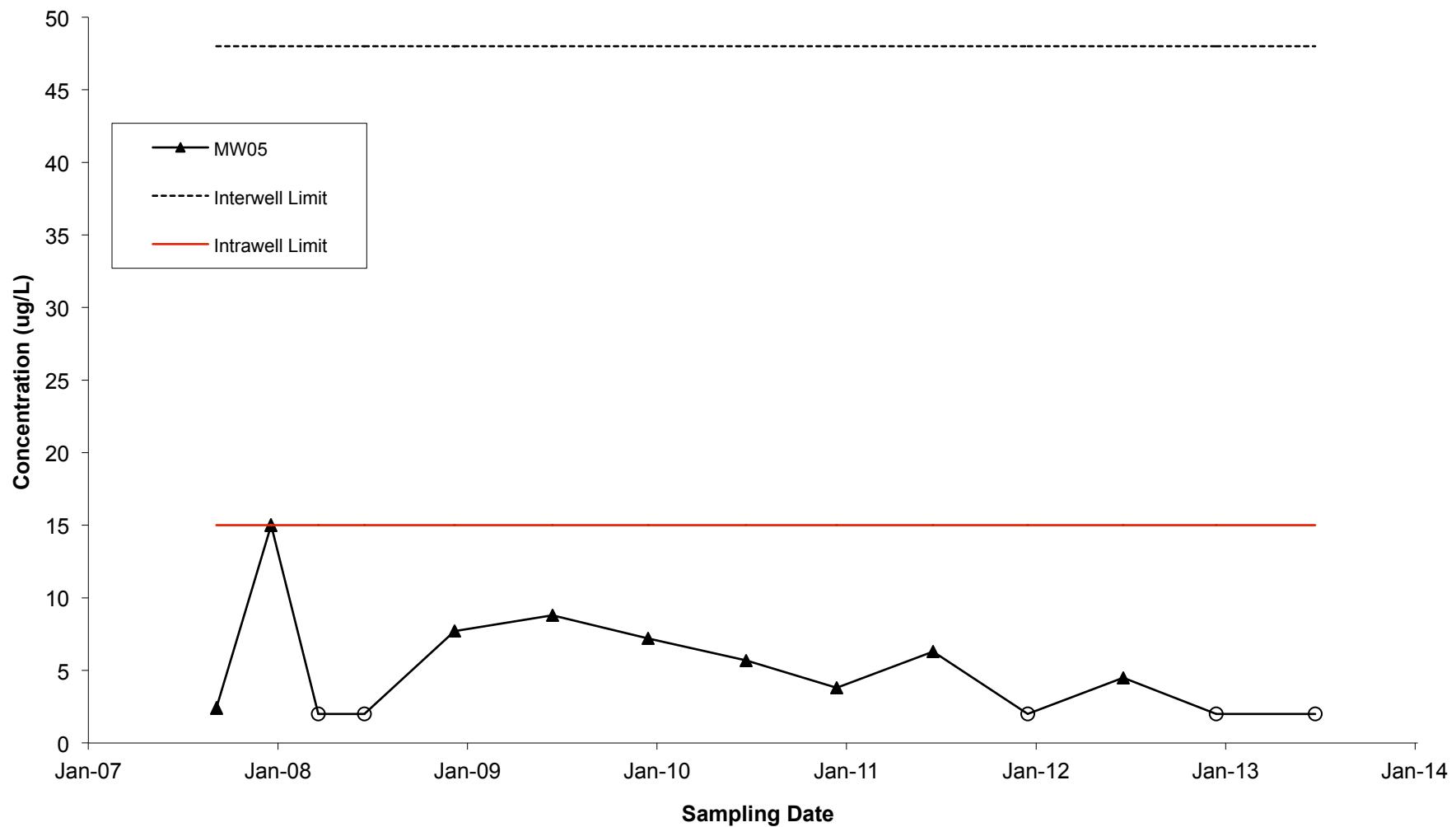
Trichloroethene in Well MW05
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW05 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.

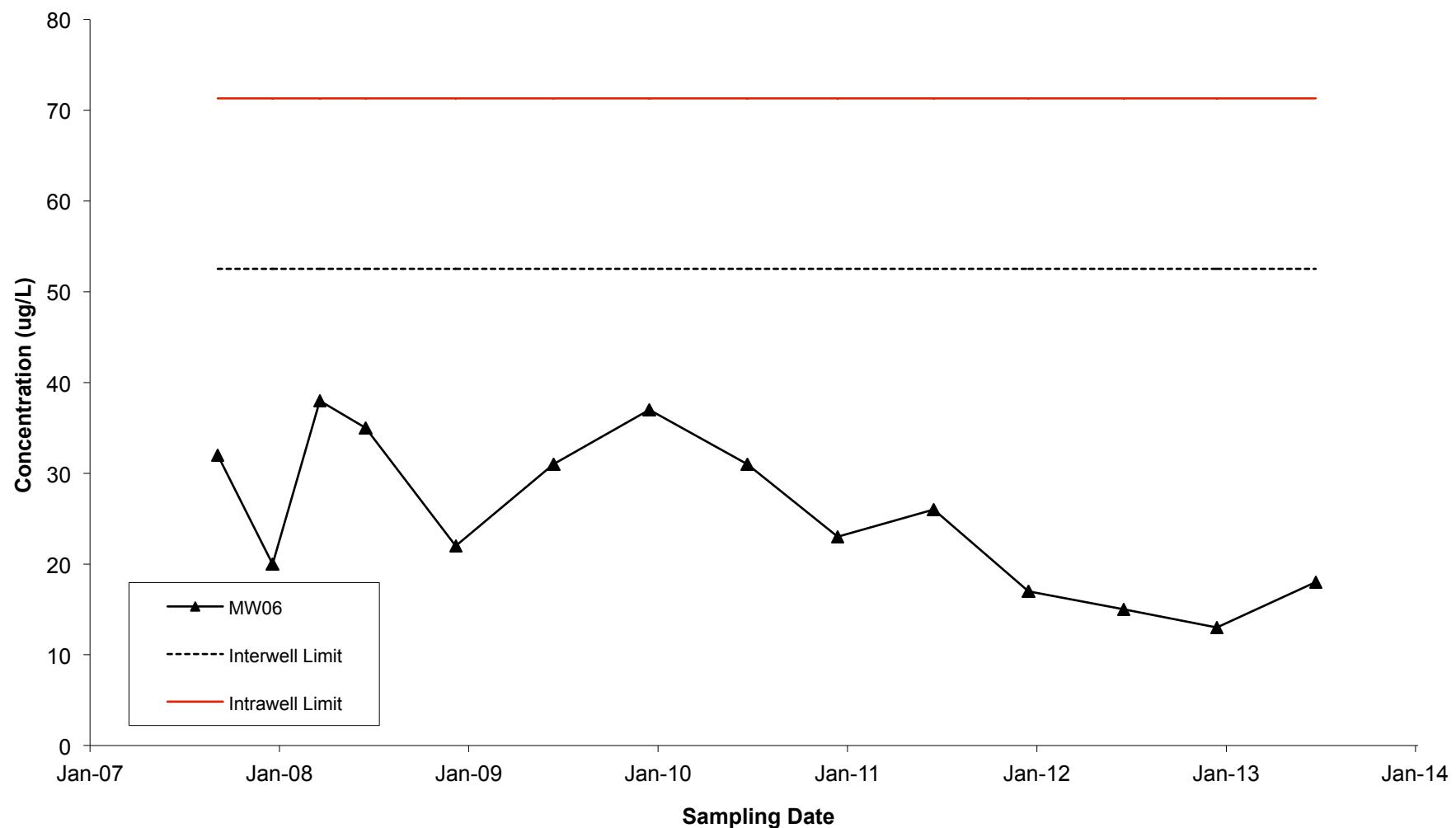


SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Sep-07	ug/L	54
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Dec-07	ug/L	41
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Mar-08	ug/L	45
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Jun-08	ug/L	39
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Dec-08	ug/L	35
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Jun-09	ug/L	32
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Dec-09	ug/L	39
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Jun-10	ug/L	27
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Dec-10	ug/L	24
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Jun-11	ug/L	28
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Dec-11	ug/L	18
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Jun-12	ug/L	17
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Dec-12	ug/L	14
IPC/Roto-Rooter	MW05	190494	1,1,1-Trichloroethane	Jun-13	ug/L	15
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Sep-07	ug/L	8.0
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Dec-07	ug/L	10
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Dec-08	ug/L	8.8
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Jun-09	ug/L	6.0
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Dec-09	ug/L	6.6
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Jun-10	ug/L	5.5
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Dec-10	ug/L	6.5
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Jun-11	ug/L	6.6
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Dec-11	ug/L	5
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Jun-12	ug/L	7.1
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Dec-12	ug/L	5.9
IPC/Roto-Rooter	MW05	190504	1,1-Dichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Sep-07	ug/L	34
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Dec-07	ug/L	27
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Mar-08	ug/L	27
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Jun-08	ug/L	28
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Dec-08	ug/L	27
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Jun-09	ug/L	23
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Dec-09	ug/L	26
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Jun-10	ug/L	23
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Dec-10	ug/L	22
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Jun-11	ug/L	24
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Dec-11	ug/L	18
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Jun-12	ug/L	16
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Dec-12	ug/L	11
IPC/Roto-Rooter	MW05	190499	1,1-Dichloroethene	Jun-13	ug/L	12
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Sep-07	ug/L	160
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Dec-07	ug/L	240
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Mar-08	ug/L	92
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Jun-08	ug/L	78
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Dec-08	ug/L	250
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	180
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	140
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	120
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	110
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	130

IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	71
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	78
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	54
IPC/Roto-Rooter	MW05	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	30
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Sep-07	ug/L	30
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Dec-07	ug/L	22
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Mar-08	ug/L	39
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Jun-08	ug/L	40
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Dec-08	ug/L	29
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Jun-09	ug/L	34
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Dec-09	ug/L	42
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Jun-10	ug/L	37
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Dec-10	ug/L	38
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Jun-11	ug/L	38
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Dec-11	ug/L	45
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Jun-12	ug/L	34
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Dec-12	ug/L	32
IPC/Roto-Rooter	MW05	190525	Tetrachloroethene	Jun-13	ug/L	45
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Sep-07	ug/L	190
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Dec-07	ug/L	160
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Mar-08	ug/L	200
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Jun-08	ug/L	250
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Dec-08	ug/L	200
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Jun-09	ug/L	180
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Dec-09	ug/L	230
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Jun-10	ug/L	160
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Dec-10	ug/L	150
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Jun-11	ug/L	160
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Dec-11	ug/L	150
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Jun-12	ug/L	130
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Dec-12	ug/L	130
IPC/Roto-Rooter	MW05	185820	Trichloroethene	Jun-13	ug/L	140
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Sep-07	ug/L	2.4
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Dec-07	ug/L	15
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Mar-08	ug/L	2.0
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Jun-08	ug/L	2.0
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Dec-08	ug/L	7.7
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Jun-09	ug/L	8.8
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Dec-09	ug/L	7.2
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Jun-10	ug/L	5.7
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Dec-10	ug/L	3.8
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Jun-11	ug/L	6.3
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Dec-11	ug/L	2
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Jun-12	ug/L	4.5
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Dec-12	ug/L	2
IPC/Roto-Rooter	MW05	185825	Vinyl Chloride	Jun-13	ug/L	2

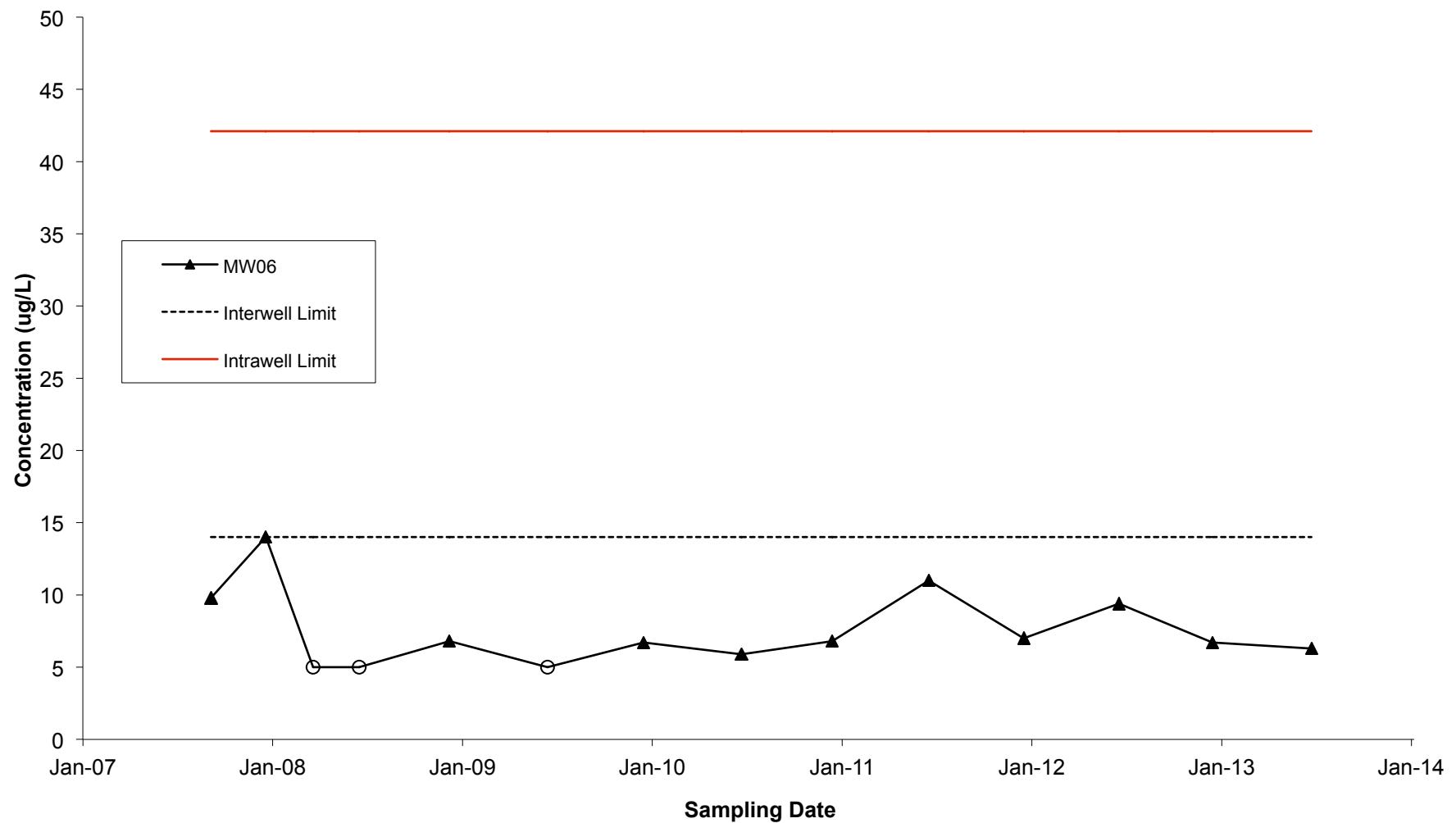
1,1,1-Trichloroethane in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



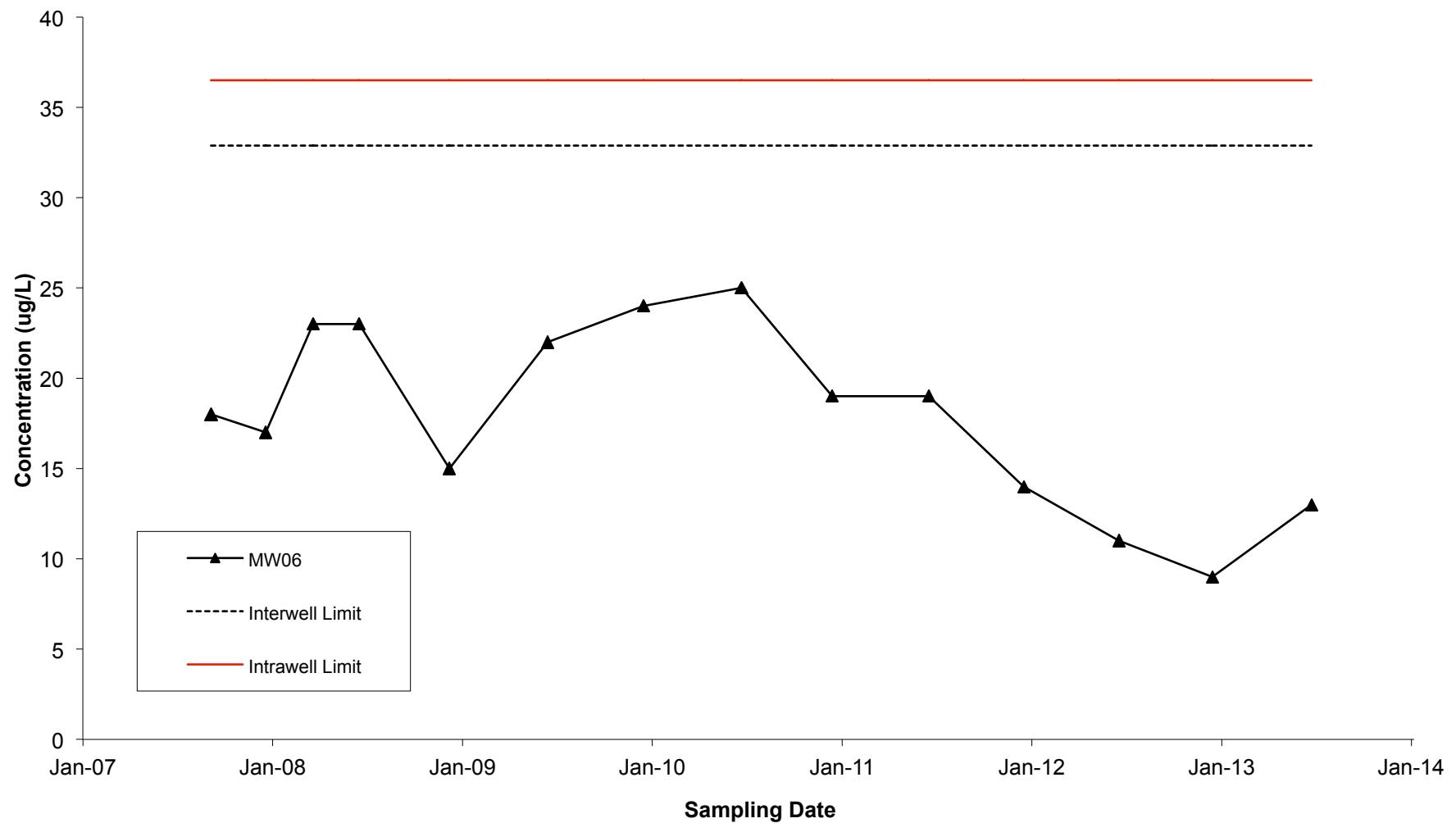
1,1-Dichloroethane in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



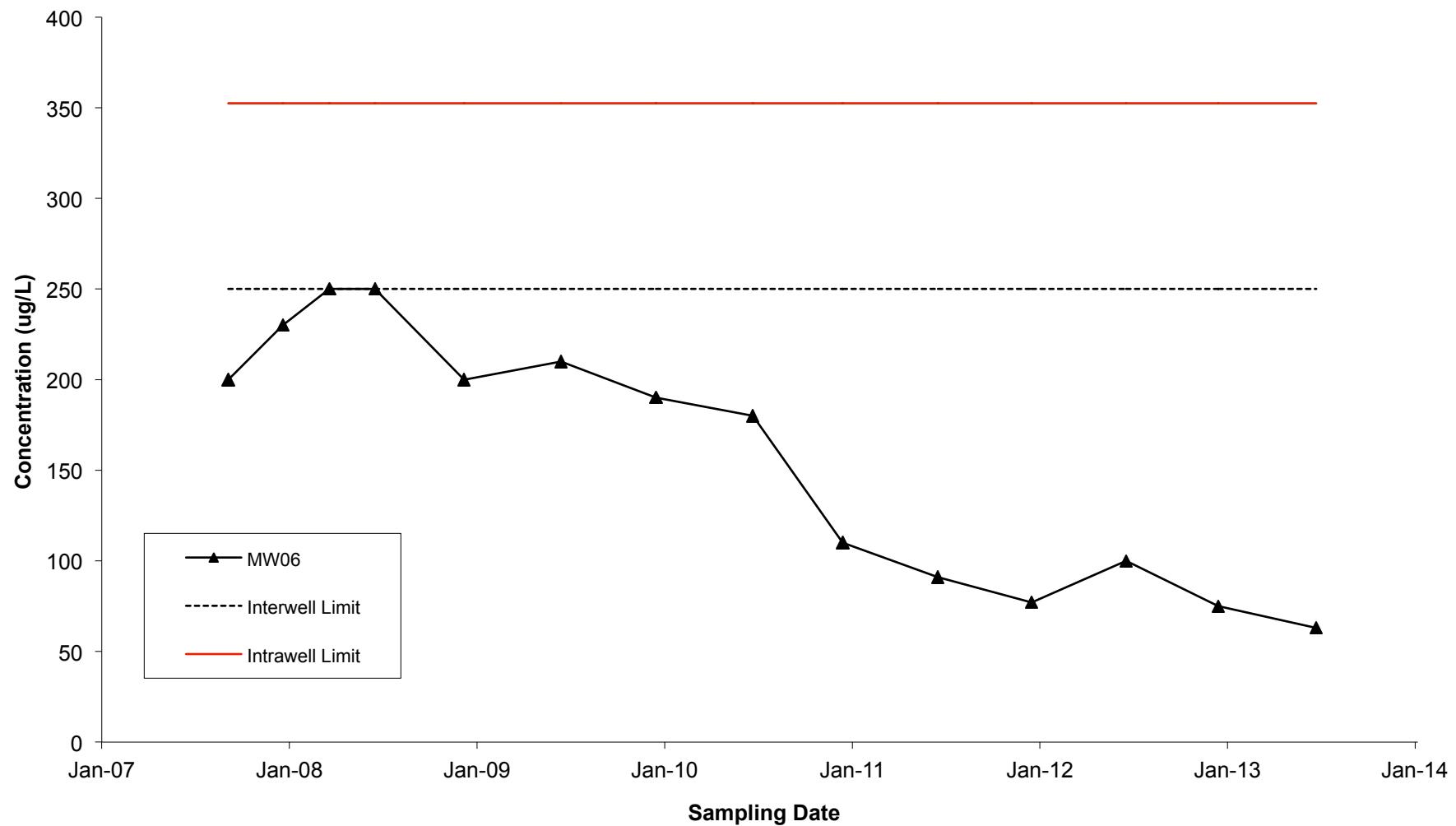
1,1-Dichloroethene in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



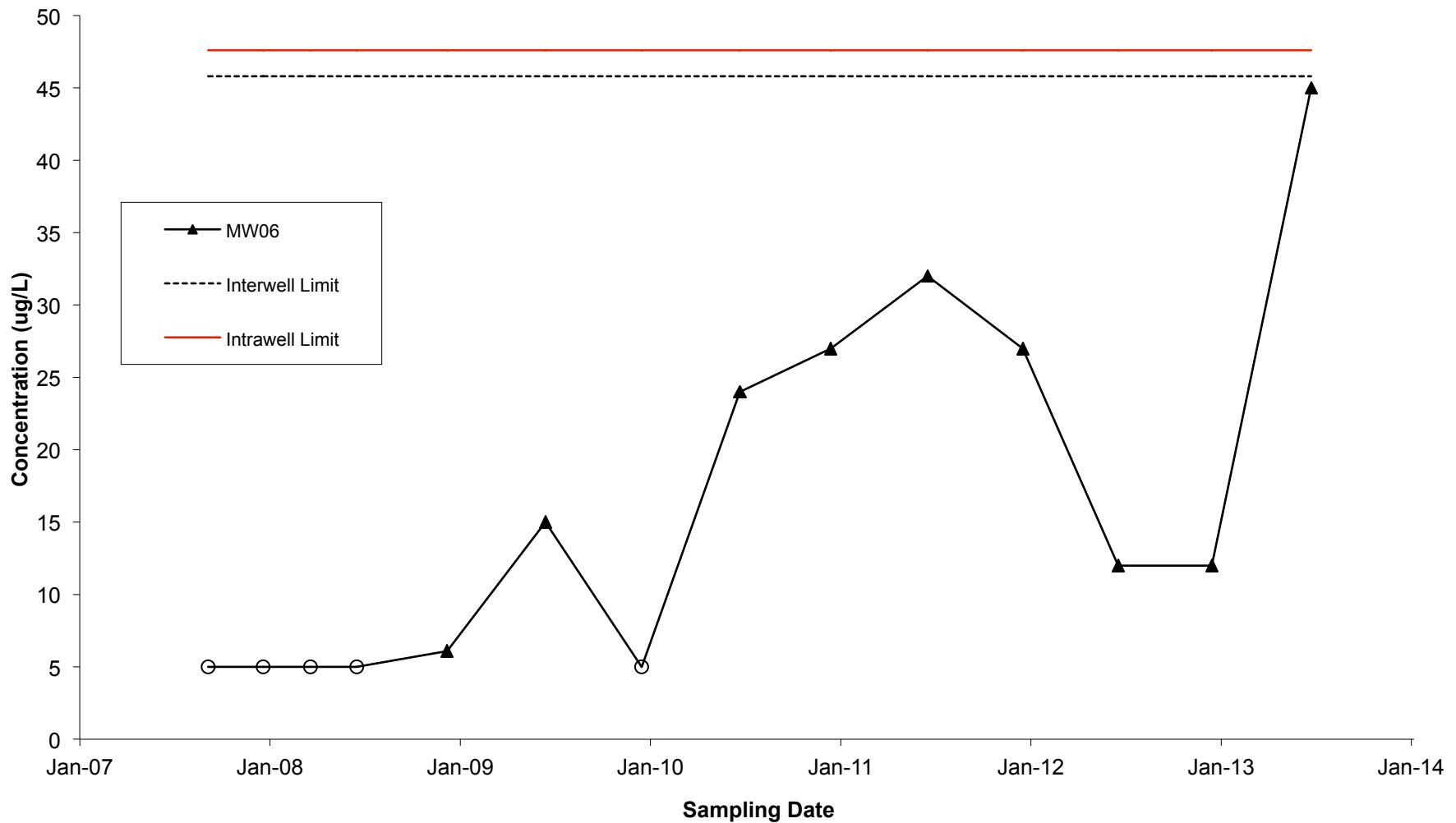
cis-1,2-Dichloroethene in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



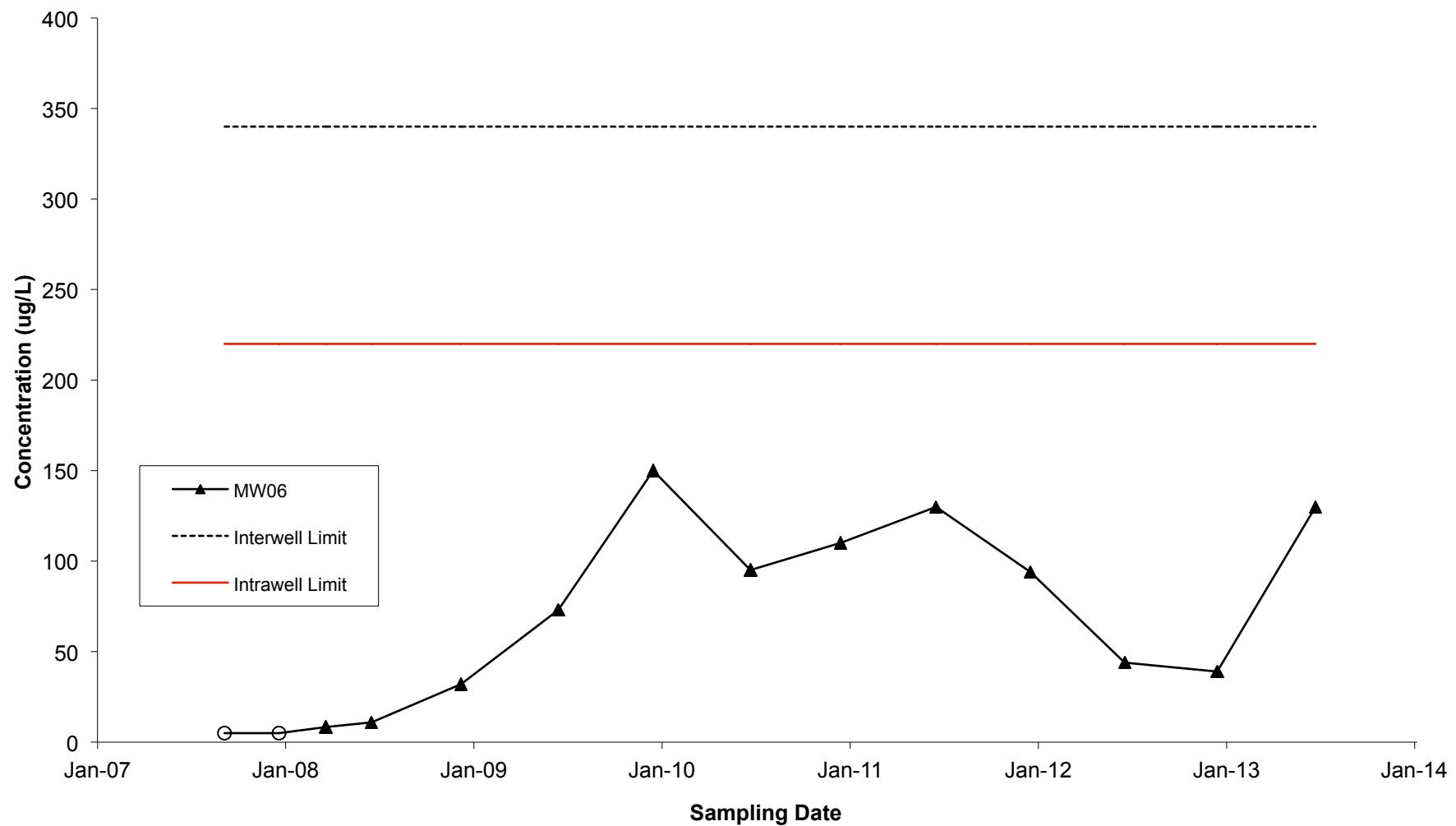
Tetrachloroethene in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



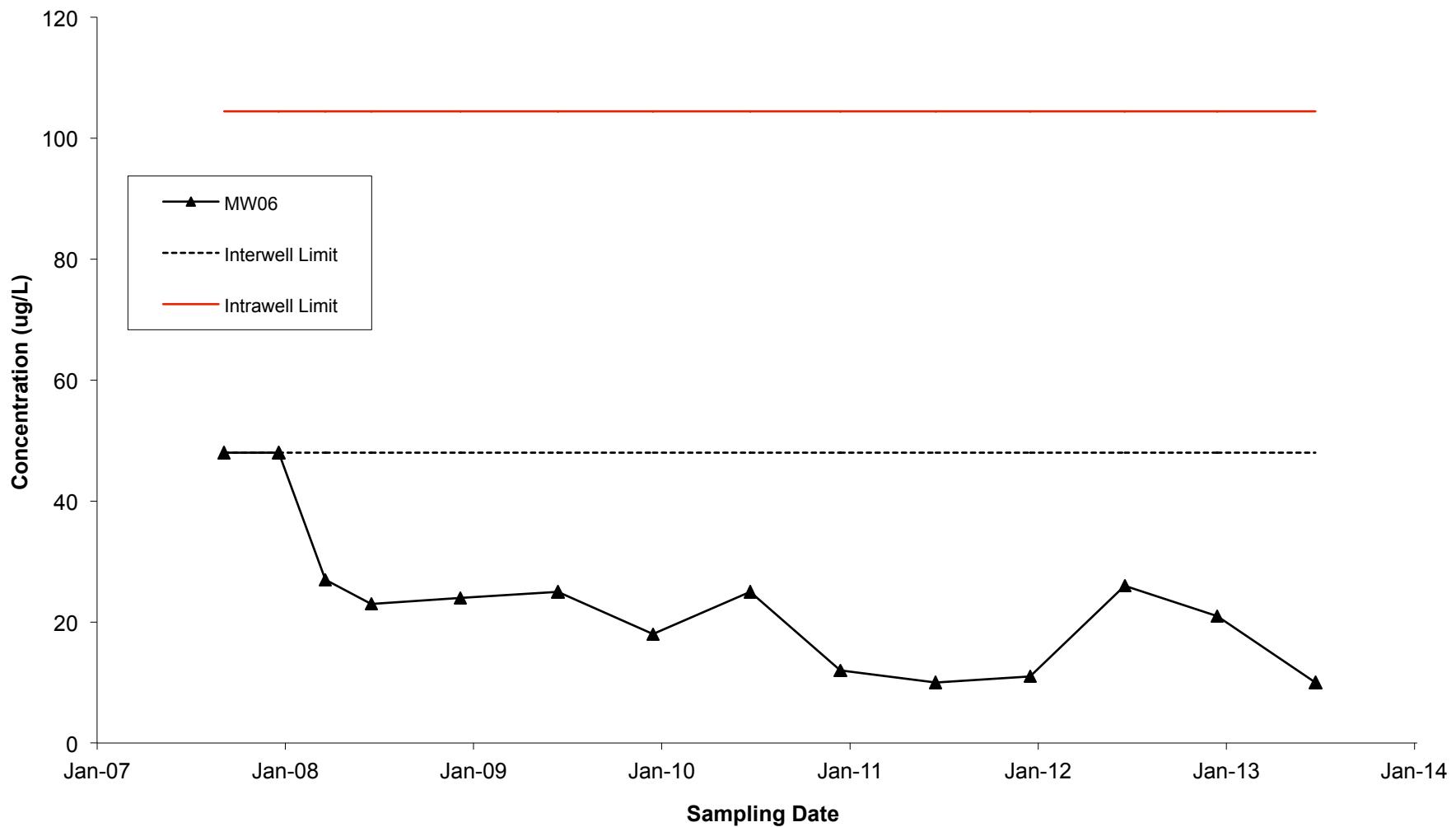
Trichloroethene in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW06
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.

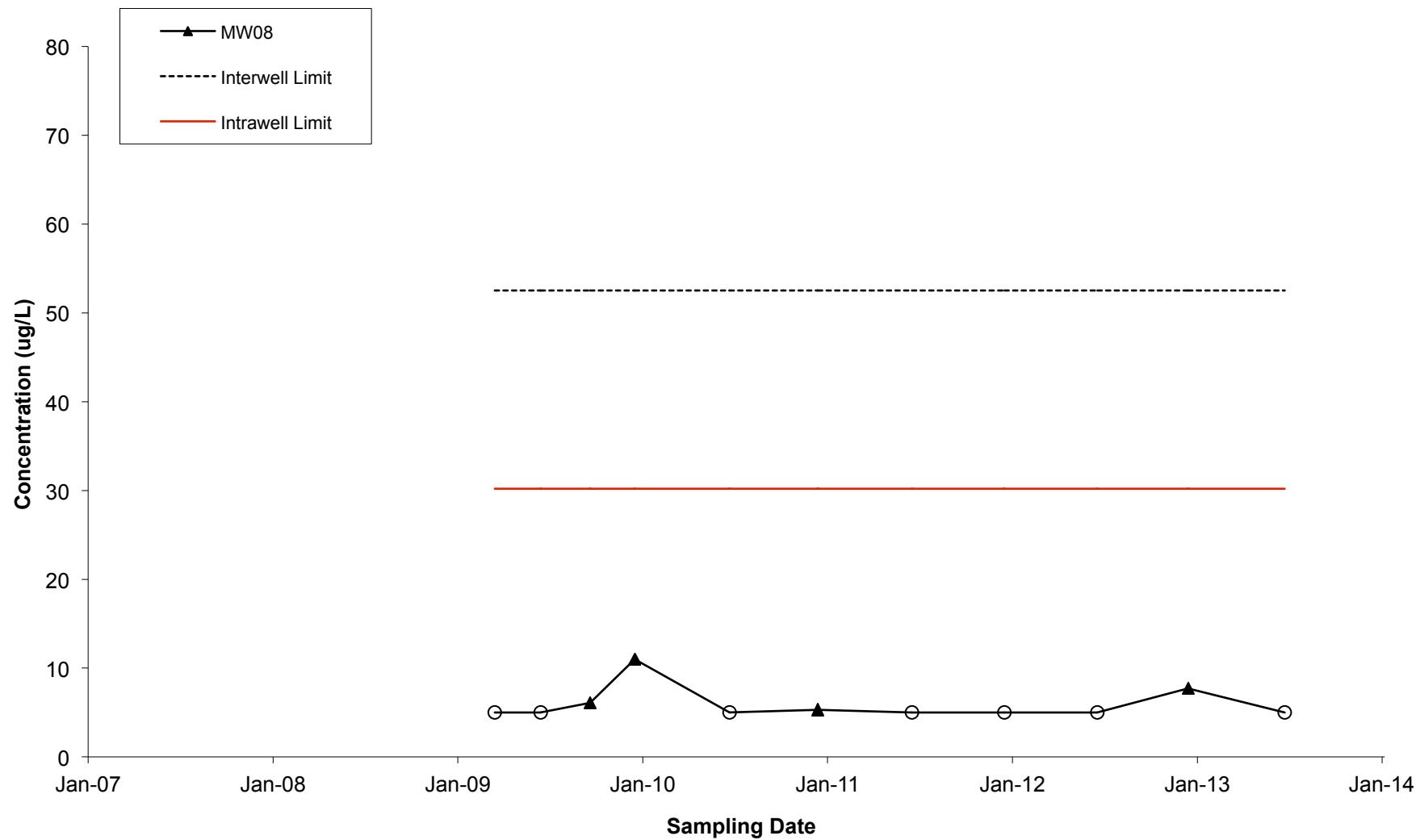


SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Sep-07	ug/L	32
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Dec-07	ug/L	20
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Mar-08	ug/L	38
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Jun-08	ug/L	35
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Dec-08	ug/L	22
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Jun-09	ug/L	31
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Dec-09	ug/L	37
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Jun-10	ug/L	31
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Dec-10	ug/L	23
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Jun-11	ug/L	26
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Dec-11	ug/L	17
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Jun-12	ug/L	15
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Dec-12	ug/L	13
IPC/Roto-Rooter	MW06	190494	1,1,1-Trichloroethane	Jun-13	ug/L	18
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Sep-07	ug/L	9.8
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Dec-07	ug/L	14
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Dec-08	ug/L	6.8
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Dec-09	ug/L	6.7
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Jun-10	ug/L	5.9
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Dec-10	ug/L	6.8
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Jun-11	ug/L	11
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Dec-11	ug/L	7
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Jun-12	ug/L	9.4
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Dec-12	ug/L	6.7
IPC/Roto-Rooter	MW06	190504	1,1-Dichloroethane	Jun-13	ug/L	6.3
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Sep-07	ug/L	18
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Dec-07	ug/L	17
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Mar-08	ug/L	23
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Jun-08	ug/L	23
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Dec-08	ug/L	15
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Jun-09	ug/L	22
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Dec-09	ug/L	24
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Jun-10	ug/L	25
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Dec-10	ug/L	19
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Jun-11	ug/L	19
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Dec-11	ug/L	14
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Jun-12	ug/L	11
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Dec-12	ug/L	9
IPC/Roto-Rooter	MW06	190499	1,1-Dichloroethene	Jun-13	ug/L	13
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Sep-07	ug/L	200
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Dec-07	ug/L	230
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Mar-08	ug/L	250
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Jun-08	ug/L	250
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Dec-08	ug/L	200
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	210
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	190
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	180
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	110
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	91

IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	77
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	100
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	75
IPC/Roto-Rooter	MW06	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	63
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Dec-07	ug/L	5.0
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Mar-08	ug/L	5.0
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Jun-08	ug/L	5.0
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Dec-08	ug/L	6.1
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Jun-09	ug/L	15
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Jun-10	ug/L	24
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Dec-10	ug/L	27
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Jun-11	ug/L	32
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Dec-11	ug/L	27
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Jun-12	ug/L	12
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Dec-12	ug/L	12
IPC/Roto-Rooter	MW06	190525	Tetrachloroethene	Jun-13	ug/L	45
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Sep-07	ug/L	5.0
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Dec-07	ug/L	5.0
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Mar-08	ug/L	8.3
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Jun-08	ug/L	11
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Dec-08	ug/L	32
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Jun-09	ug/L	73
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Dec-09	ug/L	150
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Jun-10	ug/L	95
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Dec-10	ug/L	110
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Jun-11	ug/L	130
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Dec-11	ug/L	94
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Jun-12	ug/L	44
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Dec-12	ug/L	39
IPC/Roto-Rooter	MW06	185820	Trichloroethene	Jun-13	ug/L	130
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Sep-07	ug/L	48
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Dec-07	ug/L	48
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Mar-08	ug/L	27
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Jun-08	ug/L	23
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Dec-08	ug/L	24
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Jun-09	ug/L	25
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Dec-09	ug/L	18
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Jun-10	ug/L	25
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Dec-10	ug/L	12
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Jun-11	ug/L	10
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Dec-11	ug/L	11
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Jun-12	ug/L	26
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Dec-12	ug/L	21
IPC/Roto-Rooter	MW06	185825	Vinyl Chloride	Jun-13	ug/L	10

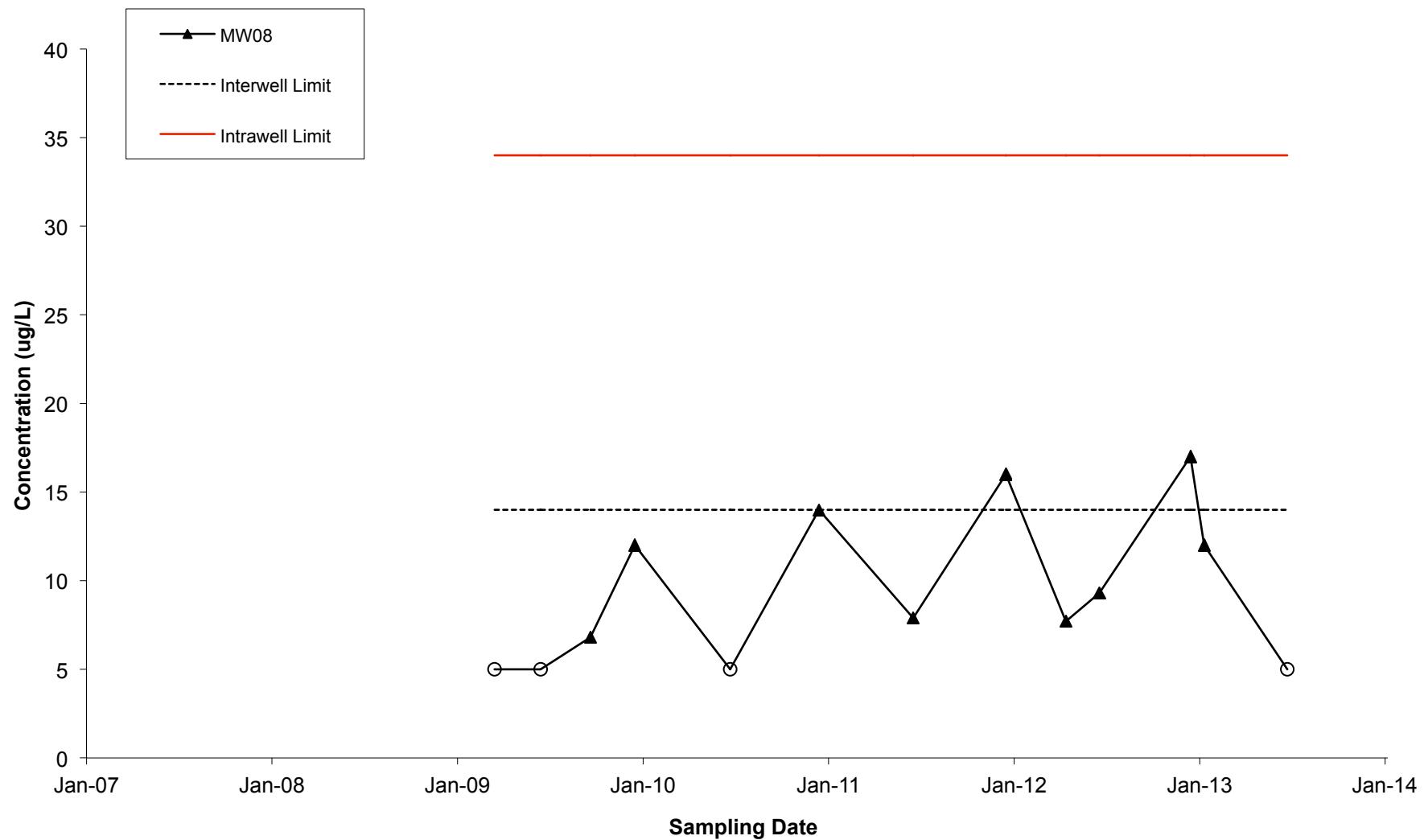
**1,1,1-Trichloroethane in Well MW08
IPC/Roto-Rooter Landfill**

Note: Non-detects are marked with a clear circle.



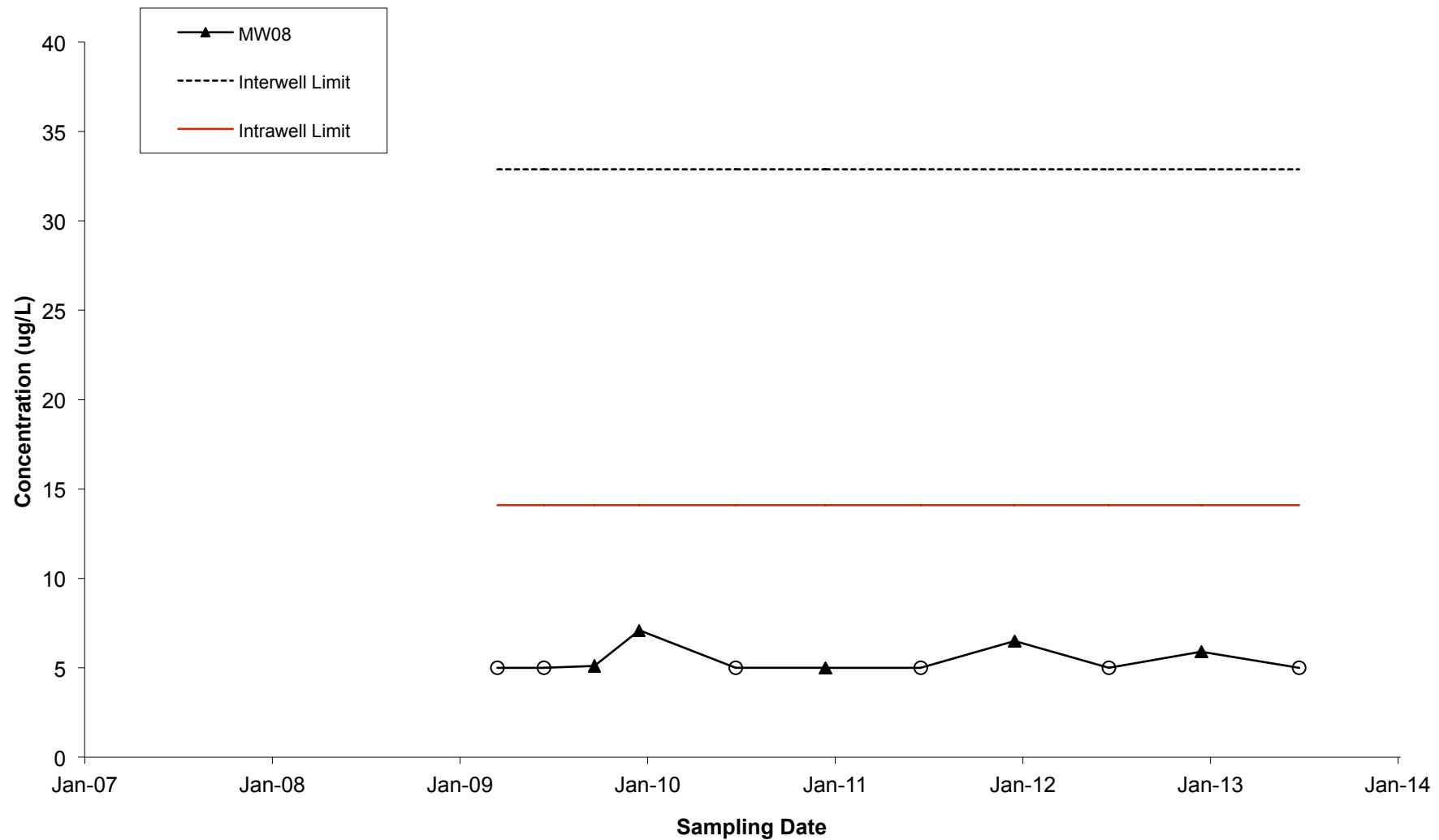
1,1-Dichloroethane in Well MW08
IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



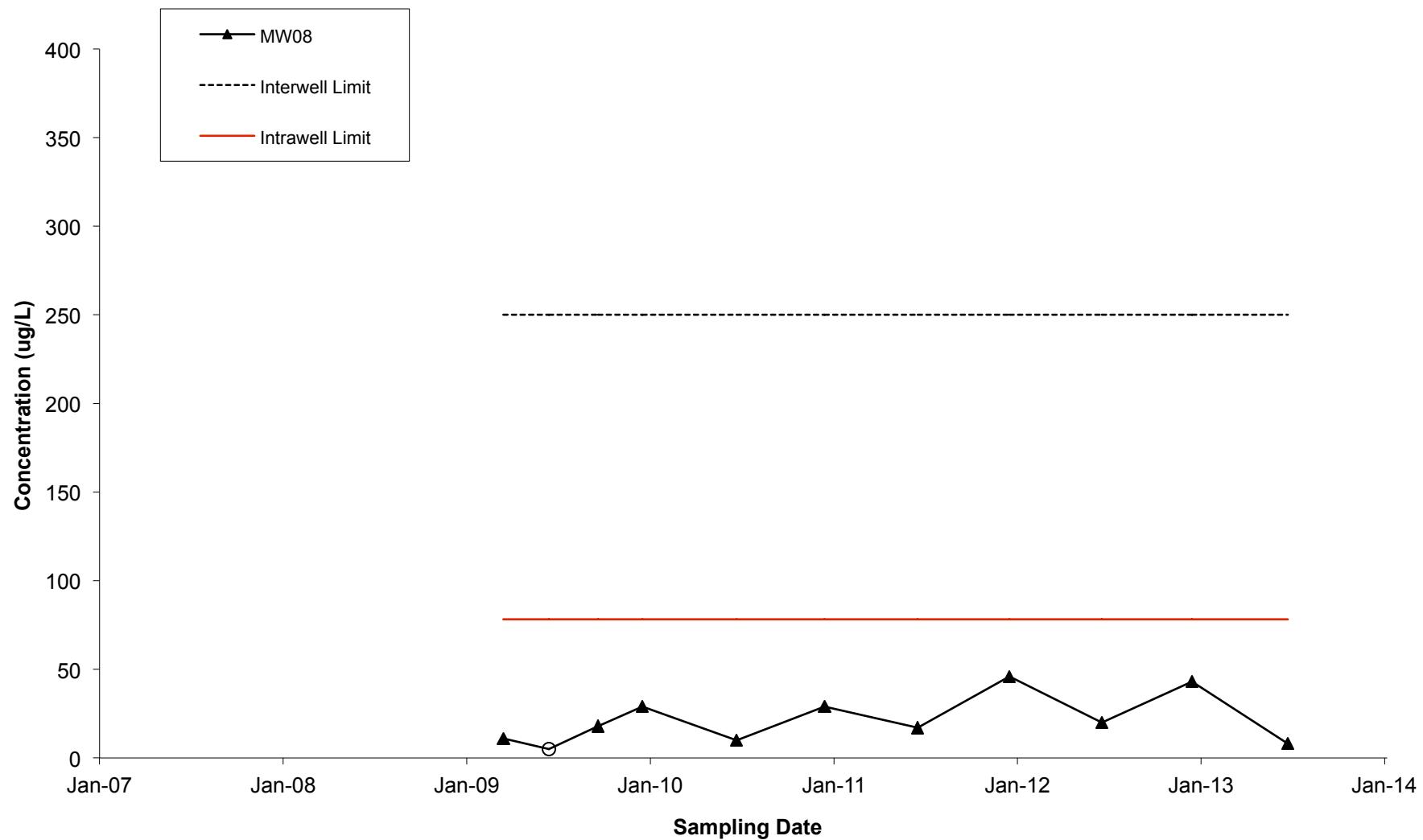
1,1-Dichloroethene in Well MW08 IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



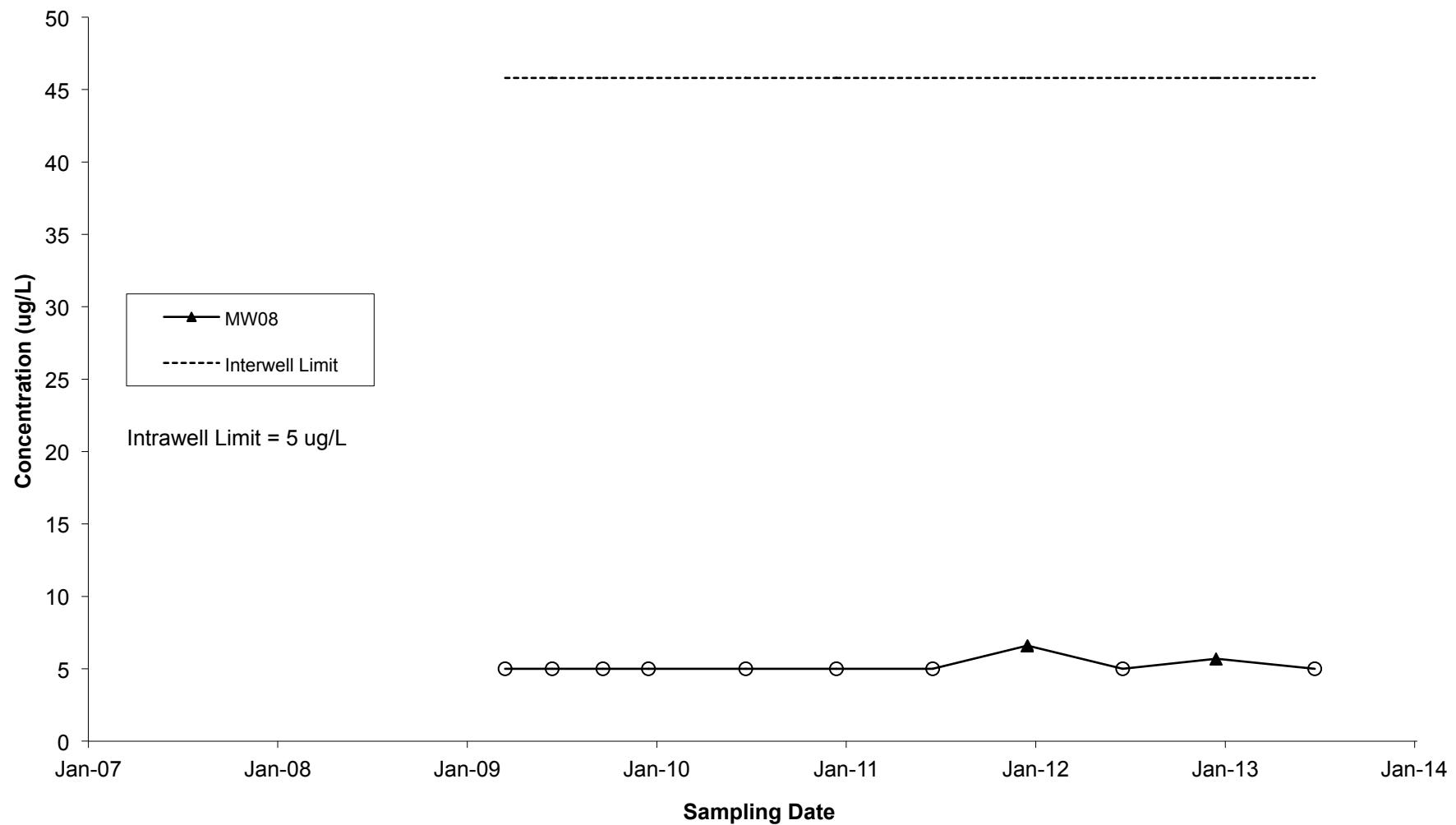
cis-1,2-Dichloroethene in Well MW08
IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



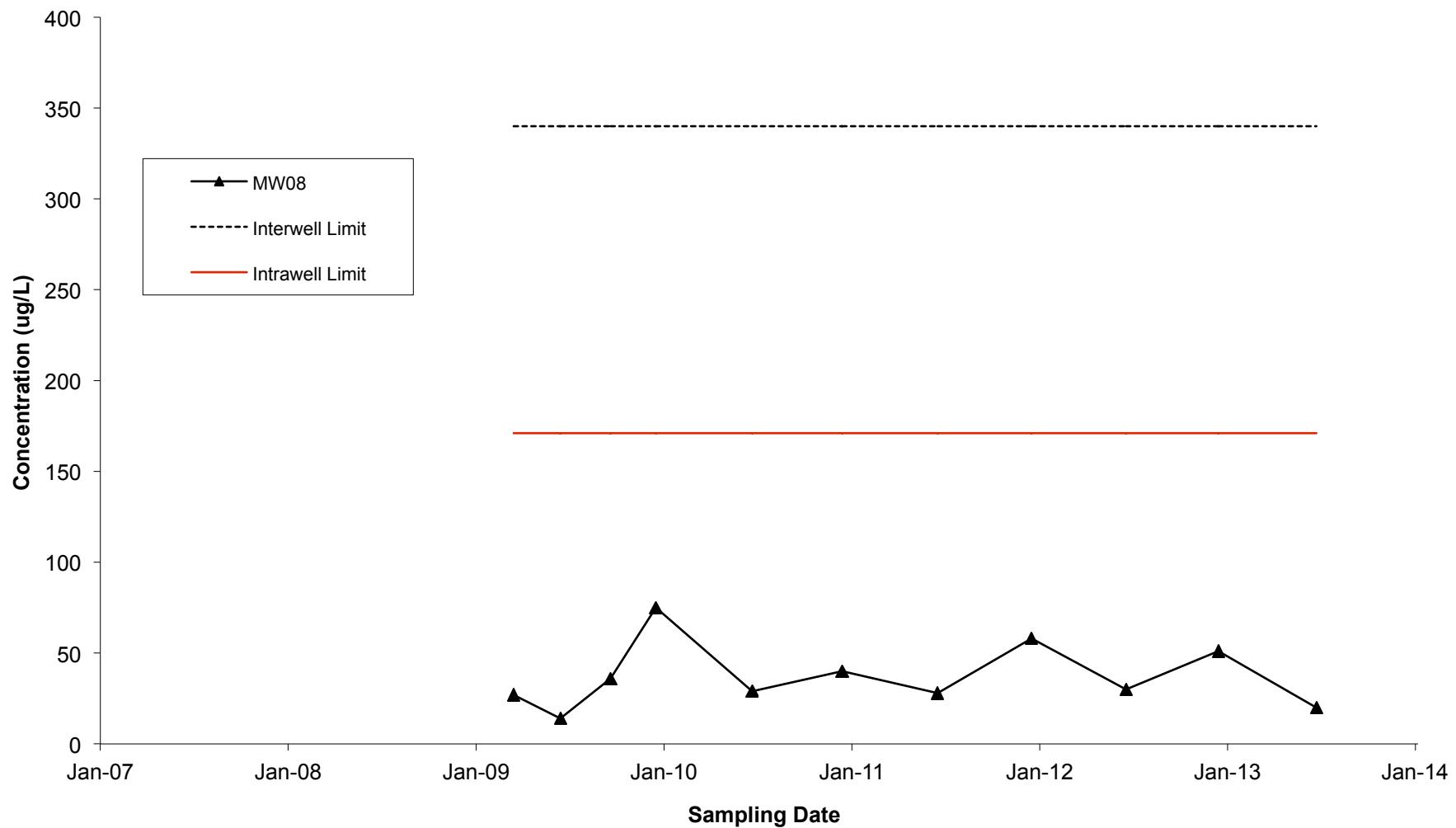
Tetrachloroethene in Well MW08
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



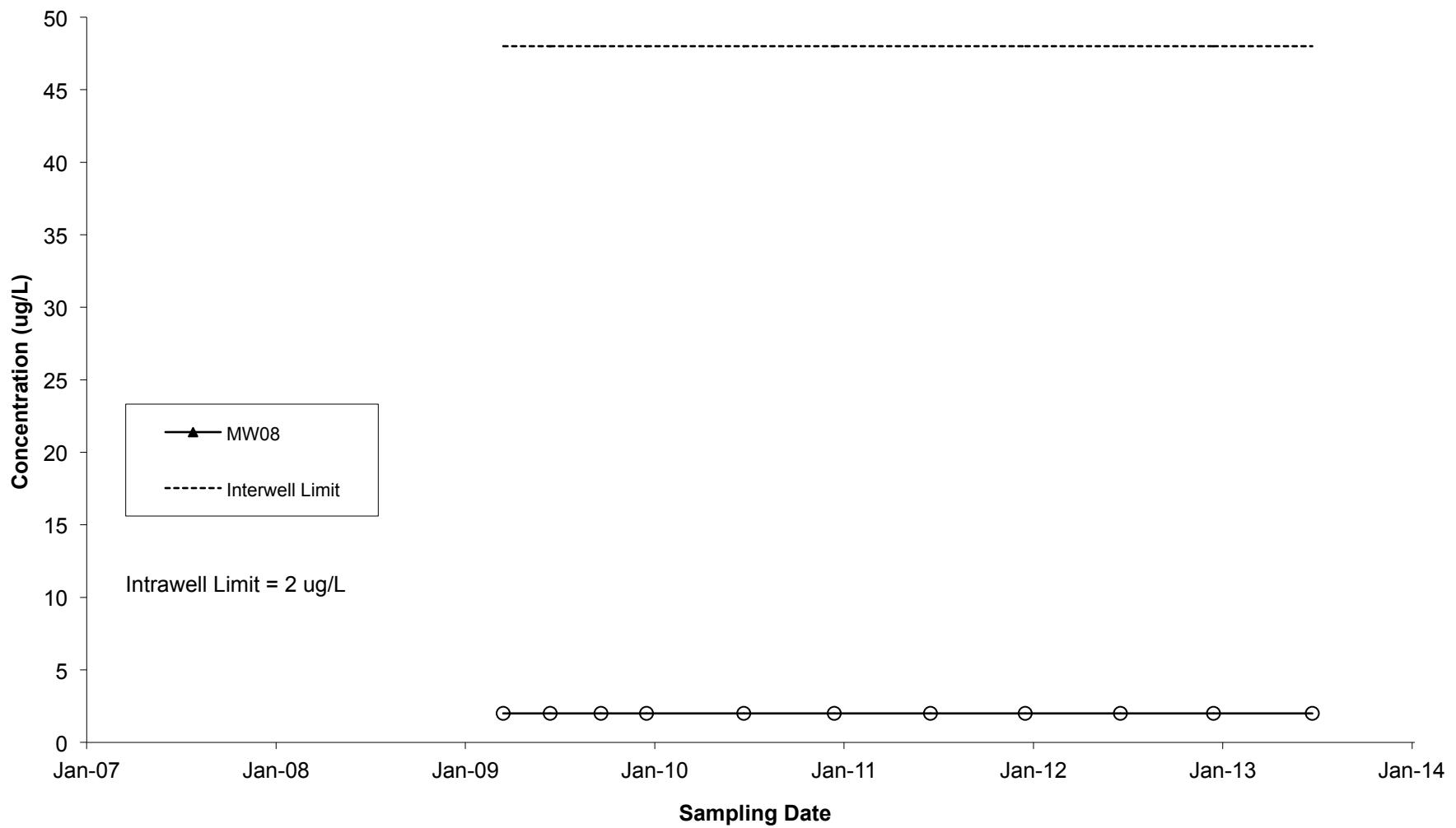
Trichloroethene in Well MW08
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



Vinyl Chloride in Well MW08
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.

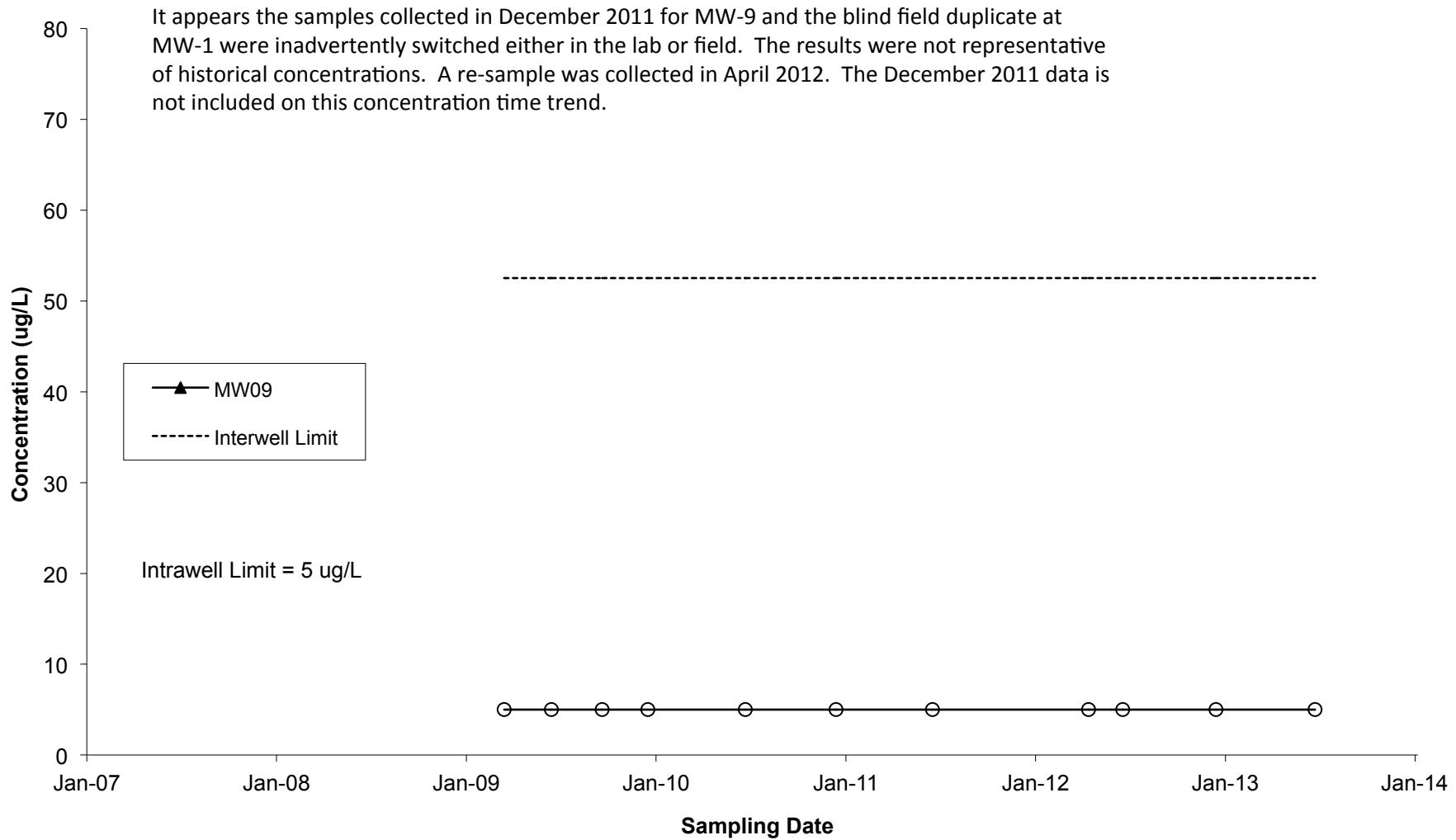


SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Sep-09	ug/L	6.1
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Dec-09	ug/L	11
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Dec-10	ug/L	5.3
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Jun-11	ug/L	5
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Dec-11	ug/L	5
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Jun-12	ug/L	5
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Dec-12	ug/L	7.7
IPC/Roto-Rooter	MW08	190494	1,1,1-Trichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Sep-09	ug/L	6.8
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Dec-09	ug/L	12
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Dec-10	ug/L	14
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Jun-11	ug/L	7.9
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Dec-11	ug/L	16
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Apr-12	ug/L	7.7
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Jun-12	ug/L	9.3
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Dec-12	ug/L	17
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Jan-13	ug/L	12
IPC/Roto-Rooter	MW08	190504	1,1-Dichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Sep-09	ug/L	5.1
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Dec-09	ug/L	7.1
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Dec-11	ug/L	6.5
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Dec-12	ug/L	5.9
IPC/Roto-Rooter	MW08	190499	1,1-Dichloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Mar-09	ug/L	11
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Sep-09	ug/L	18
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	29
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	10
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	29
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	17
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Dec-11	ug/L	46
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	20
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	43
IPC/Roto-Rooter	MW08	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	8
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Dec-10	ug/L	5

IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Dec-11	ug/L	6.6
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Dec-12	ug/L	5.7
IPC/Roto-Rooter	MW08	190525	Tetrachloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Mar-09	ug/L	27
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Jun-09	ug/L	14
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Sep-09	ug/L	36
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Dec-09	ug/L	75
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Jun-10	ug/L	29
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Dec-10	ug/L	40
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Jun-11	ug/L	28
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Dec-11	ug/L	58
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Jun-12	ug/L	30
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Dec-12	ug/L	51
IPC/Roto-Rooter	MW08	185820	Trichloroethene	Jun-13	ug/L	20
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Mar-09	ug/L	2.0
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Jun-09	ug/L	2.0
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Sep-09	ug/L	2.0
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Dec-09	ug/L	2.0
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Jun-10	ug/L	2.0
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Dec-10	ug/L	2
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Jun-11	ug/L	2
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Dec-11	ug/L	2
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Jun-12	ug/L	2
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Dec-12	ug/L	2
IPC/Roto-Rooter	MW08	185825	Vinyl Chloride	Jun-13	ug/L	2

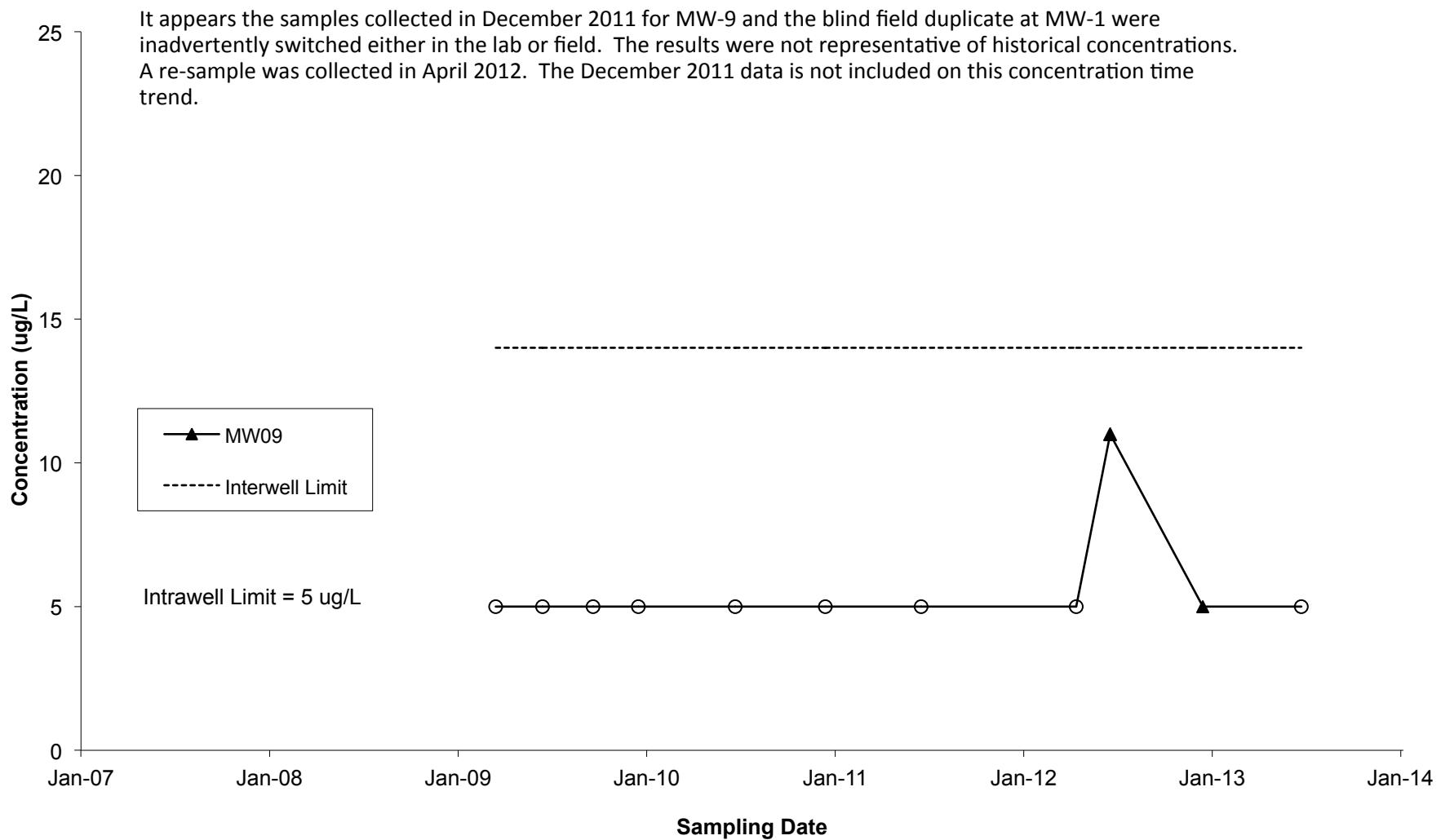
**1,1,1-Trichloroethane in Well MW09
IPC/Roto-Rooter Landfill**

Note: Non-detects are marked with a clear circle.



**1,1-Dichloroethane in Well MW09
IPC/Roto-Rooter Landfill**

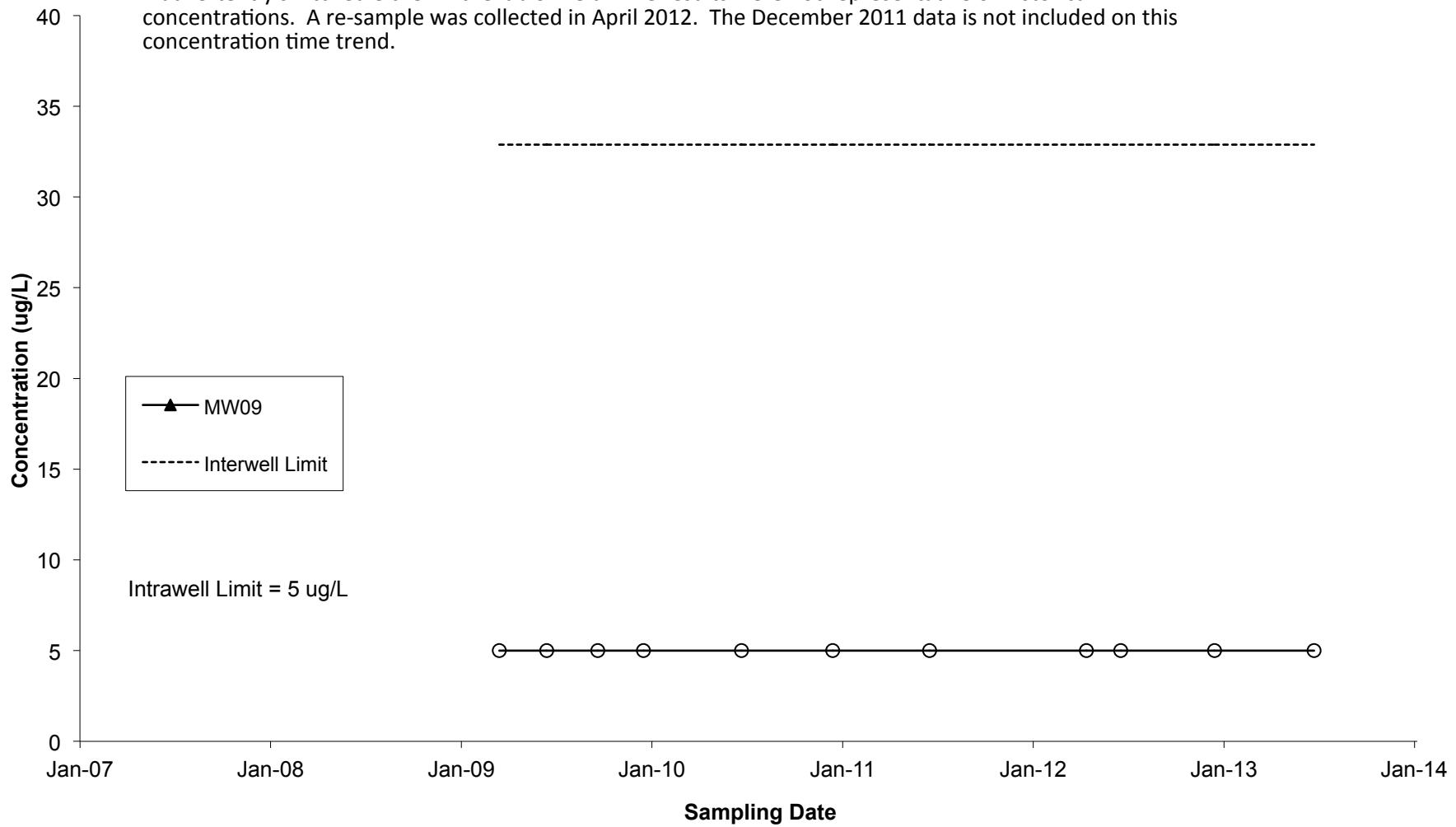
Note: Non-detects are marked with a clear circle.



1,1-Dichloroethene in Well MW09
IPC/Roto-Rooter Landfill

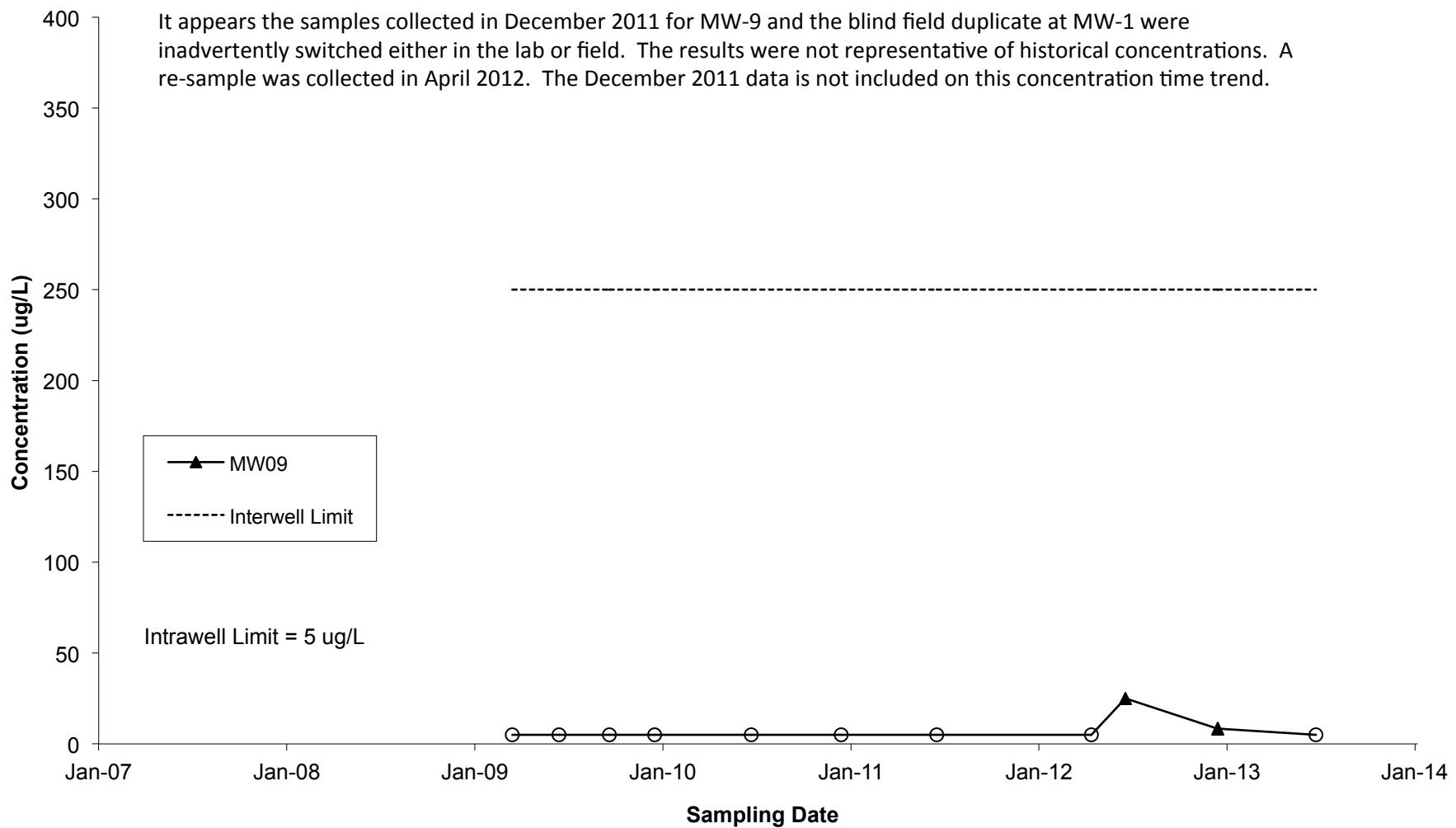
Note: Non-detects are marked with a clear circle.

It appears the samples collected in December 2011 for MW-9 and the blind field duplicate at MW-1 were inadvertently switched either in the lab or field. The results were not representative of historical concentrations. A re-sample was collected in April 2012. The December 2011 data is not included on this concentration time trend.



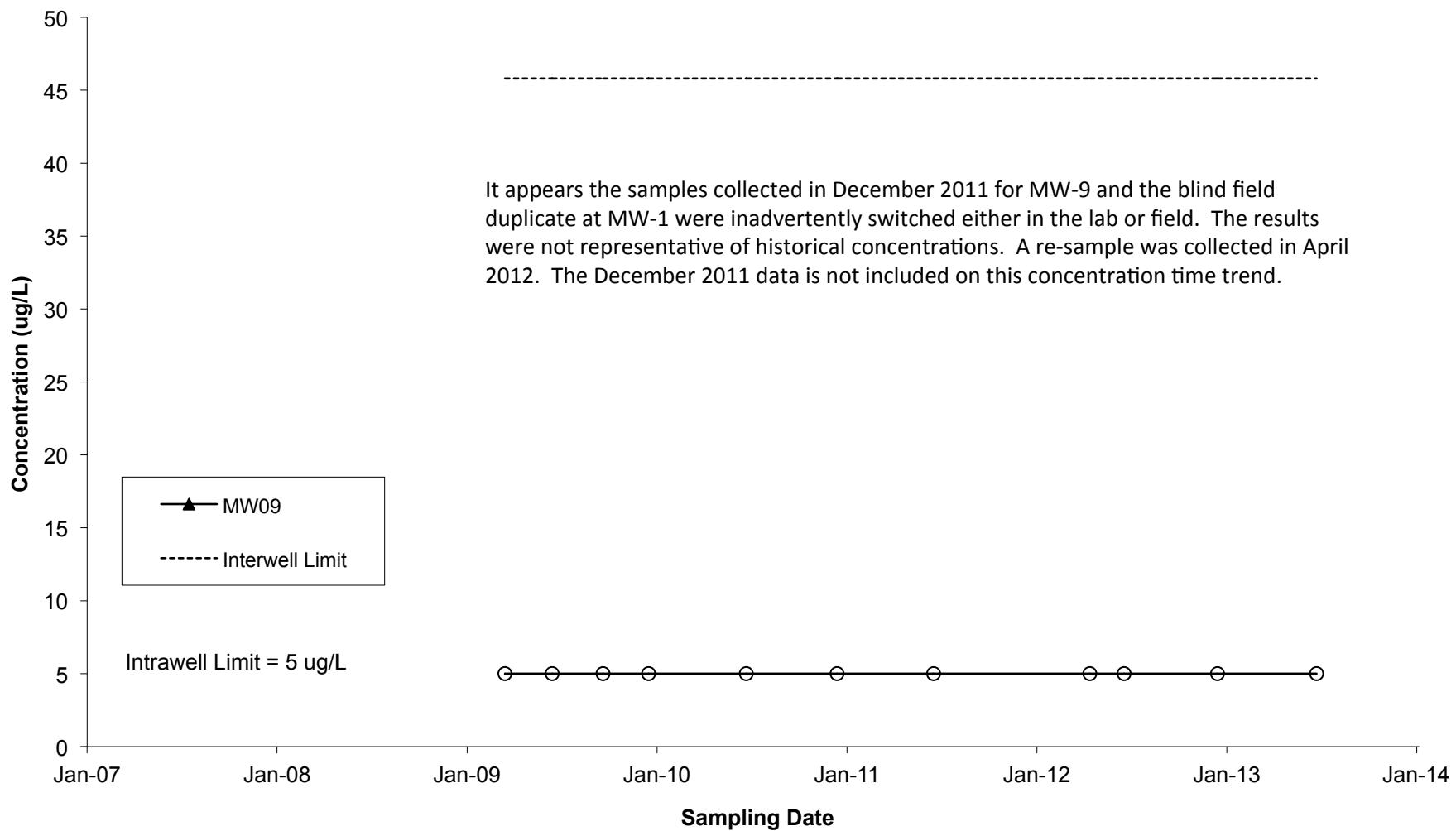
cis-1,2-Dichloroethene in Well MW09
IPC/Roto-Rooter Landfill

Note: Non-detects are marked with a clear circle.



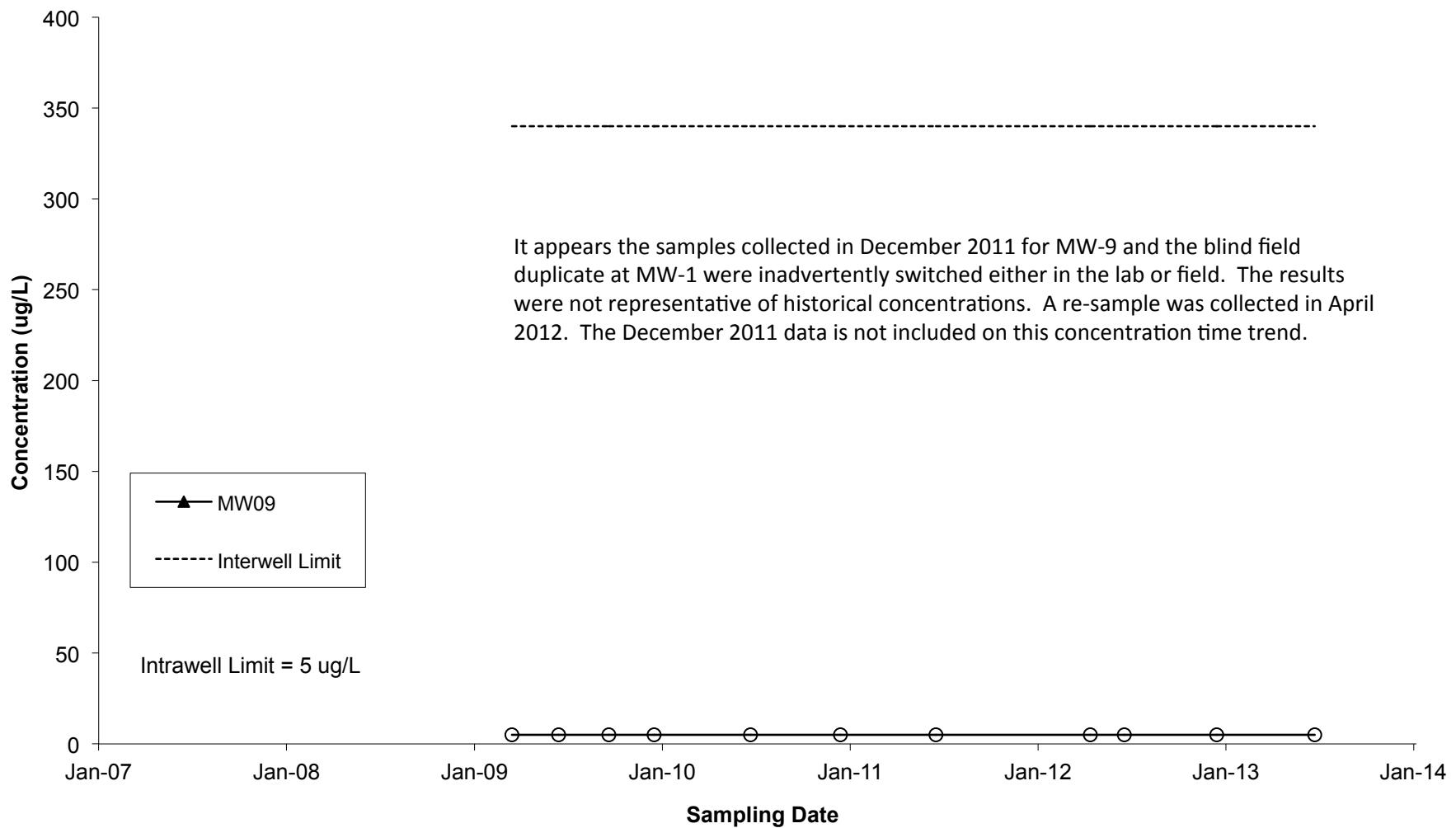
Tetrachloroethene in Well MW09
IPC/Roto-Rooter Landfill

Note: Non-detects are
marked with a clear circle.



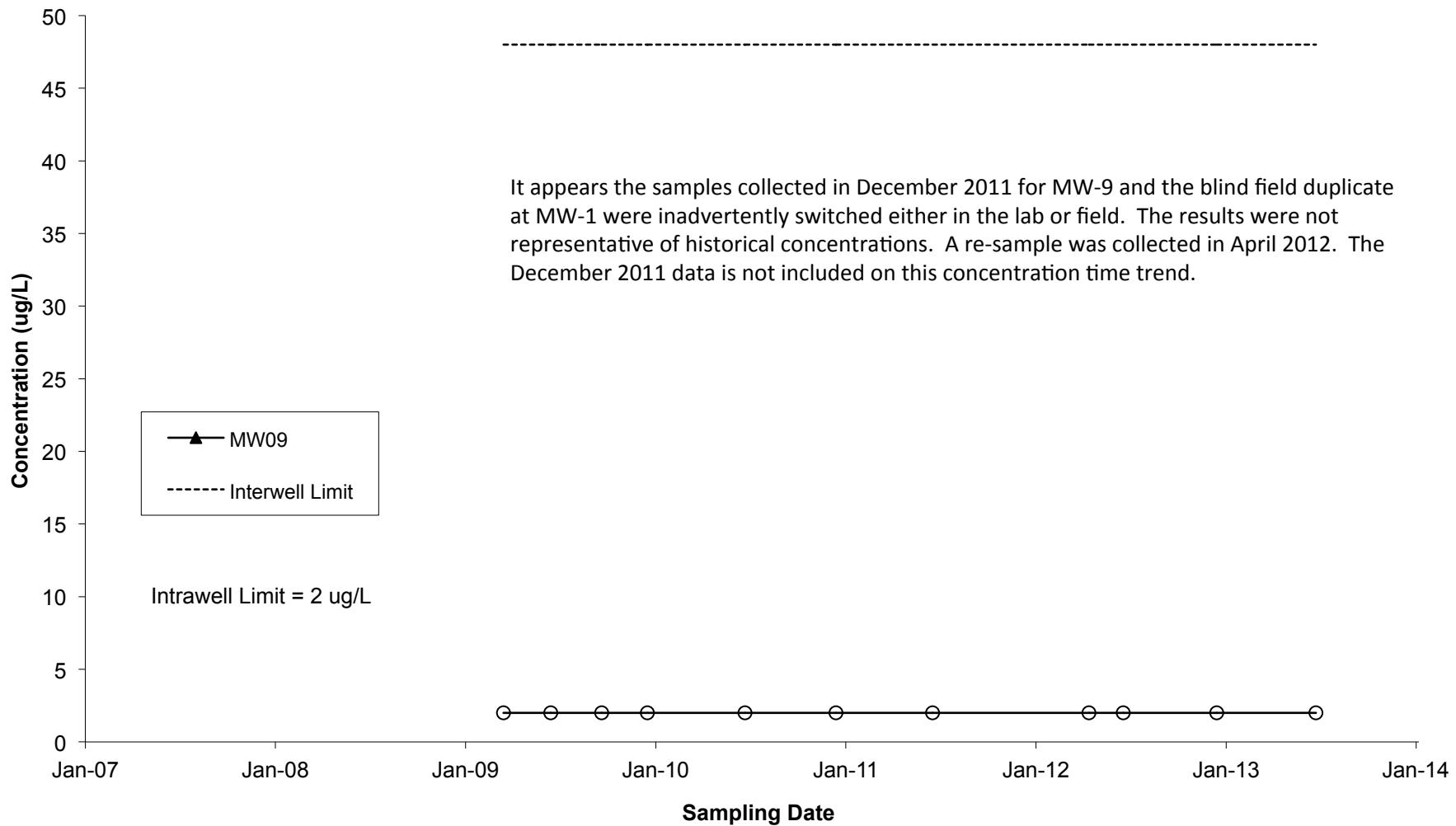
**Trichloroethene in Well MW09
IPC/Roto-Rooter Landfill**

Note: Non-detects are marked with a clear circle.



Vinyl Chloride in Well MW09
IPC/Roto-Rooter Landfill

Note: Non-detects are marked
with a clear circle.



SiteName	WellName	ParameterID	ParameterName	SampleDate	Units	Result
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Dec-10	ug/L	5
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Jun-11	ug/L	5
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Apr-12	ug/L	5
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Jun-12	ug/L	5
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Dec-12	ug/L	5
IPC/Roto-Rooter	MW09	190494	1,1,1-Trichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Dec-10	ug/L	5
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Jun-11	ug/L	5
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Apr-12	ug/L	5
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Jun-12	ug/L	11
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Dec-12	ug/L	5
IPC/Roto-Rooter	MW09	190504	1,1-Dichloroethane	Jun-13	ug/L	5
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Apr-12	ug/L	5
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW09	190499	1,1-Dichloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Apr-12	ug/L	5
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Jun-12	ug/L	25
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Dec-12	ug/L	8.4
IPC/Roto-Rooter	MW09	147907	cis-1,2-Dichloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Apr-12	ug/L	5

IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW09	190525	Tetrachloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Mar-09	ug/L	5.0
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Jun-09	ug/L	5.0
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Sep-09	ug/L	5.0
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Dec-09	ug/L	5.0
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Jun-10	ug/L	5.0
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Dec-10	ug/L	5
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Jun-11	ug/L	5
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Apr-12	ug/L	5
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Jun-12	ug/L	5
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Dec-12	ug/L	5
IPC/Roto-Rooter	MW09	185820	Trichloroethene	Jun-13	ug/L	5
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Mar-09	ug/L	2.0
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Jun-09	ug/L	2.0
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Sep-09	ug/L	2.0
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Dec-09	ug/L	2.0
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Jun-10	ug/L	2.0
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Dec-10	ug/L	2
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Jun-11	ug/L	2
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Apr-12	ug/L	2
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Jun-12	ug/L	2
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Dec-12	ug/L	2
IPC/Roto-Rooter	MW09	185825	Vinyl Chloride	Jun-13	ug/L	2

Data Validation Checklist

Date: 1/2/2013

Validator Name: Mary Pearson (EIL)

Facility: Interstate Pollution Control - Roto Rooter

Facility Location: Rockford, Illinois

Event: Dec-12

Laboratory: TestAmerica - Chicago

Sampling Dates: 12/18/2012

Laboratory Job No: 500-53388-1 (Analysis Batch Numbers 173670 and 173864)

	Yes	No	NA
Were the correct analytical methodologies used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples analyzed within the VOC hold time (14 days)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated laboratory blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated trip blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated field blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were surrogate recoveries within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were laboratory control spikes within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Blind field duplicate (MW7) was collected at MW4.

Note:

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) analyzed at well MW5. The MS/MSD recoveries were within the acceptance ranges except for trichloroethene in the MSD. Trichloroethene was detected above the acceptance limits in the MSD; however, the recoveries of trichloroethene in the associated MS and LCS were acceptable.

The Relative Percent Differences (RPDs) for the MS/MSD analyzed at well MW5 were below the acceptance limit (20%) except for the following compounds which had RPDs above the acceptance limit:

1,1-Dichloroethene RPD = 24%

Carbon Disulfide RPD = 35%

Trans-1,2-Dichloroethene = 22%

Duplicate Sample Evaluation

December 2012

IPC Roto-Rooter Site

Parameter	Sample Date	Units	MW4	Qualifier	Blind Field Duplicate	Qualifier	RPD
1,1,1-Trichloroethane	12/18/2012	ug/L	9.6		9.8		2%
1,1,2,2-Tetrachloroethane	12/18/2012	ug/L	5	U	5	U	0%
1,1,2-Trichloroethane	12/18/2012	ug/L	5	U	5	U	0%
1,1-Dichloroethane	12/18/2012	ug/L	8.1		7.8		4%
1,1-Dichloroethene	12/18/2012	ug/L	5	U	5	U	0%
1,2-Dichloroethane	12/18/2012	ug/L	5	U	5	U	0%
1,2-Dichloropropane	12/18/2012	ug/L	5	U	5	U	0%
2-Hexanone	12/18/2012	ug/L	20	U	20	U	0%
Acetone	12/18/2012	ug/L	20	U	20	U	0%
Benzene	12/18/2012	ug/L	5	U	5	U	0%
Bromodichloromethane	12/18/2012	ug/L	5	U	5	U	0%
Bromoform	12/18/2012	ug/L	5	U	5	U	0%
Bromomethane	12/18/2012	ug/L	5	U	5	U	0%
Carbon disulfide	12/18/2012	ug/L	5	U	5	U	0%
Carbon tetrachloride	12/18/2012	ug/L	5	U	5	U	0%
Chlorobenzene	12/18/2012	ug/L	5	U	5	U	0%
Chloroethane	12/18/2012	ug/L	5	U	5	U	0%
Chloroform	12/18/2012	ug/L	5	U	5	U	0%
Chloromethane	12/18/2012	ug/L	5	U	5	U	0%
cis-1,2-Dichloroethene	12/18/2012	ug/L	51		49		4%
cis-1,3-Dichloropropene	12/18/2012	ug/L	5	U	5	U	0%
Dibromochloromethane	12/18/2012	ug/L	5	U	5	U	0%
Ethylbenzene	12/18/2012	ug/L	5	U	5	U	0%
Methyl Ethyl Ketone	12/18/2012	ug/L	20	U	20	U	0%
Methyl Isobutyl Ketone	12/18/2012	ug/L	20	U	20	U	0%
Methylene Chloride	12/18/2012	ug/L	10	U	10	U	0%
Styrene	12/18/2012	ug/L	5	U	5	U	0%
Tetrachloroethene	12/18/2012	ug/L	5	U	5	U	0%
Toluene	12/18/2012	ug/L	5	U	5	U	0%
trans-1,2-Dichloroethene	12/18/2012	ug/L	5	U	5	U	0%
trans-1,3-Dichloropropene	12/18/2012	ug/L	5	U	5	U	0%
Trichloroethene	12/18/2012	ug/L	5	U	5	U	0%
Vinyl chloride	12/18/2012	ug/L	33		31		6%
Xylenes, Total	12/18/2012	ug/L	5	U	5	U	0%

Qualifier U - Not Detected

Chemicals of Concern are highlighted in gray.

The blind field duplicate (MW7) was taken at well MW4.

Data Validation Checklist

Date: 1/17/2013

Validator Name: Mary Pearson (EIL)

Facility: Interstate Pollution Control - Roto Rooter

Facility Location: Rockford, Illinois

Event: December 2012 Re-Sample

Laboratory: TestAmerica - Chicago

Sampling Dates: 1/14/2013

Laboratory Job No: 500-53840-1 (Analysis Batch Number 175153)

	Yes	No	NA
Were the correct analytical methodologies used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples analyzed within the VOC hold time (14 days)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated laboratory blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated trip blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated field blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were surrogate recoveries within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were laboratory control spikes within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Field Duplicate Collected at MW8

Duplicate Sample Evaluation
December 2012 Re-Sample
IPC Roto-Rooter Site

Parameter	Sample Date	Units	MW8	Qualifier	MW8 Field Duplicate	Qualifier	RPD
1,1-Dichloroethane	1/14/2013	ug/L	12		11		9%

Data Validation Checklist

Date: 7/25/2013

Validator Name: Mary Pearson (EIL)

Facility: Interstate Pollution Control - Roto Rooter

Facility Location: Rockford, Illinois

Event: Jun-13

Laboratory: TestAmerica - Chicago

Sampling Dates: 6/27/2013

Laboratory Job No: 500-58621-1 (Analysis Batch Number 192293)

	Yes	No	NA
Were the correct analytical methodologies used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all samples analyzed within the VOC hold time (14 days)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated laboratory blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated trip blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were contaminants detected in the associated field blank(s)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were surrogate recoveries within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were laboratory control spikes within the appropriate control ranges?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were field duplicate samples within 20% relative percent difference of the primary samples for all tested analytes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Blind field duplicate (MW7) was collected at MW8.

Note:

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) analyzed at well MW6. The MS/MSD recoveries were within the acceptance ranges except for trichloroethene. Trichloroethene was detected above the acceptance limits in the MS and MSD; however, the recovery of trichloroethene in the associated LCS was acceptable.

Duplicate Sample Evaluation

June 2013

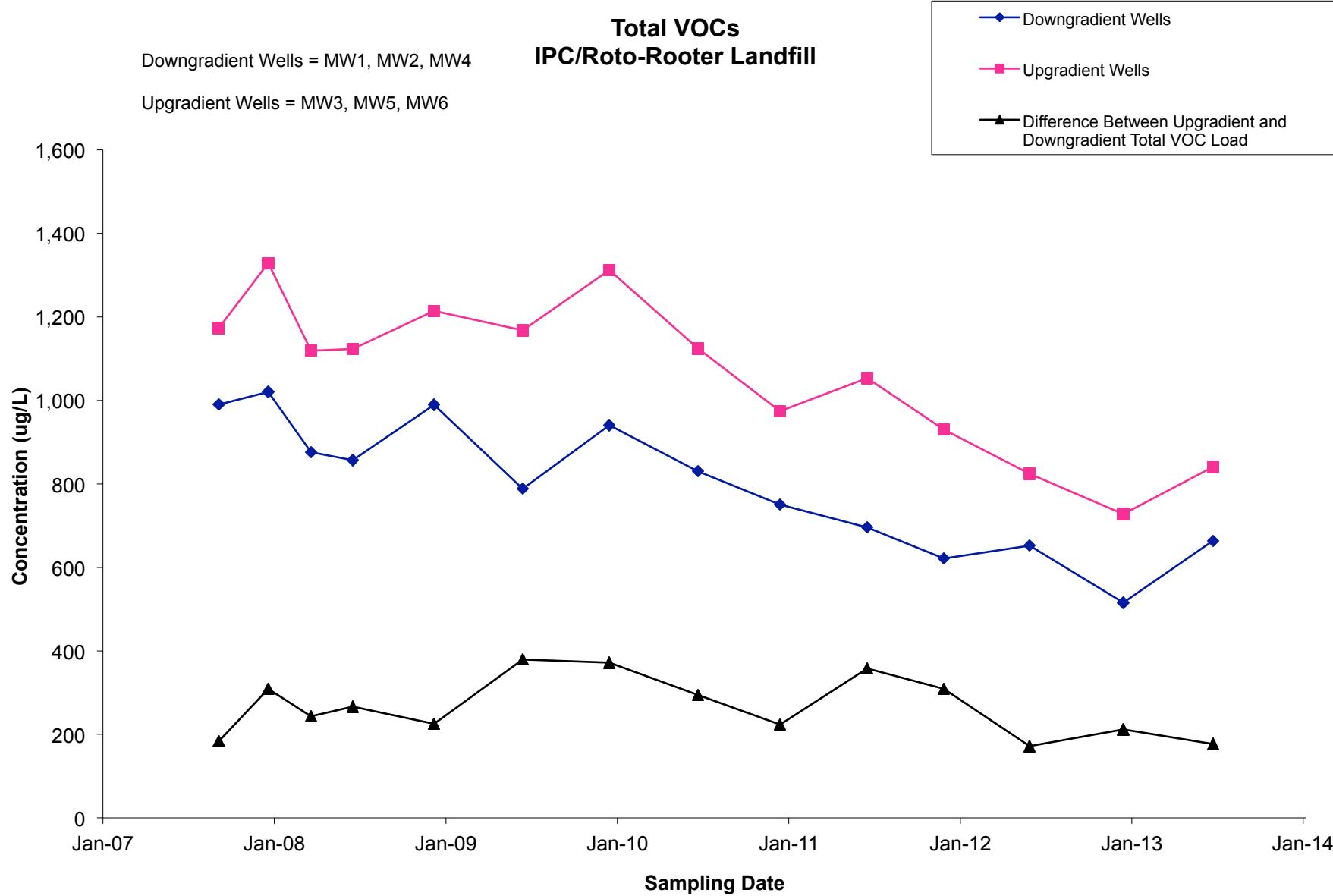
IPC Roto-Rooter Site

Parameter	Sample Date	Units	MW8	Qualifier	Blind Field Duplicate	Qualifier	RPD
1,1,1-Trichloroethane	6/27/2013	ug/L	5	U	5	U	0%
1,1,2,2-Tetrachloroethane	6/27/2013	ug/L	5	U	5	U	0%
1,1,2-Trichloroethane	6/27/2013	ug/L	5	U	5	U	0%
1,1-Dichloroethane	6/27/2013	ug/L	5	U	5	U	0%
1,1-Dichloroethene	6/27/2013	ug/L	5	U	5	U	0%
1,2-Dichloroethane	6/27/2013	ug/L	5	U	5	U	0%
1,2-Dichloropropane	6/27/2013	ug/L	5	U	5	U	0%
2-Hexanone	6/27/2013	ug/L	20	U	20	U	0%
Acetone	6/27/2013	ug/L	20	U	20	U	0%
Benzene	6/27/2013	ug/L	5	U	5	U	0%
Bromodichloromethane	6/27/2013	ug/L	5	U	5	U	0%
Bromoform	6/27/2013	ug/L	5	U	5	U	0%
Bromomethane	6/27/2013	ug/L	5	U	5	U	0%
Carbon disulfide	6/27/2013	ug/L	5	U	5	U	0%
Carbon tetrachloride	6/27/2013	ug/L	5	U	5	U	0%
Chlorobenzene	6/27/2013	ug/L	5	U	5	U	0%
Chloroethane	6/27/2013	ug/L	5	U	5	U	0%
Chloroform	6/27/2013	ug/L	5	U	5	U	0%
Chloromethane	6/27/2013	ug/L	5	U	5	U	0%
cis-1,2-Dichloroethene	6/27/2013	ug/L	8		8.5		6%
cis-1,3-Dichloropropene	6/27/2013	ug/L	5	U	5	U	0%
Dibromochloromethane	6/27/2013	ug/L	5	U	5	U	0%
Ethylbenzene	6/27/2013	ug/L	5	U	5	U	0%
Methyl Ethyl Ketone	6/27/2013	ug/L	20	U	20	U	0%
Methyl Isobutyl Ketone	6/27/2013	ug/L	20	U	20	U	0%
Methylene Chloride	6/27/2013	ug/L	10	U	10	U	0%
Styrene	6/27/2013	ug/L	5	U	5	U	0%
Tetrachloroethene	6/27/2013	ug/L	5	U	5	U	0%
Toluene	6/27/2013	ug/L	5	U	5	U	0%
trans-1,2-Dichloroethene	6/27/2013	ug/L	5	U	5	U	0%
trans-1,3-Dichloropropene	6/27/2013	ug/L	5	U	5	U	0%
Trichloroethene	6/27/2013	ug/L	20		21		5%
Vinyl chloride	6/27/2013	ug/L	2	U	2	U	0%
Xylenes, Total	6/27/2013	ug/L	5	U	5	U	0%

Qualifier U - Not Detected

Chemicals of Concern are highlighted in gray.

The blind field duplicate (MW7) was taken at well MW8.



Total Trichloroethene + 1,1,1-Trichloroethane
IPC/Roto-Rooter Landfill

